

## Product Datasheet

### Human CCL5 protein (Active) (orb359071)

|                      |                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog Number       | orb359071                                                                                                                                                                                                                                                                                                                                                                                                   |
| Category             | Proteins                                                                                                                                                                                                                                                                                                                                                                                                    |
| Description          | Recombinant Human C-C motif chemokine 5 protein (CCL5) (Active)                                                                                                                                                                                                                                                                                                                                             |
| Tag                  | Tag-Free                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Appearance      | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                          |
| Buffer/Preservatives | Lyophilized from a 0.2 µm filtered concentrated solution in 20mM PB, pH 7.4, 100 mM NaCl                                                                                                                                                                                                                                                                                                                    |
| Purity               | > 98% as determined by SDS-PAGE and HPLC.                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Sequence     | SPYSSDTTPCCFAYIARPLPRAHIKEYFYTSGKCSNPAVVFVTRKNRQVCANPEKKWVREYIN SLEMS                                                                                                                                                                                                                                                                                                                                       |
| Protein Length       | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID           | <b>P13501</b>                                                                                                                                                                                                                                                                                                                                                                                               |
| MW                   | 7.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                     |
| Application notes    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Endotoxins           | Less than 1.0 EU/µg as determined by LAL method.                                                                                                                                                                                                                                                                                                                                                            |
| Source               | E.Coli                                                                                                                                                                                                                                                                                                                                                                                                      |
| Biological Origin    | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                        |

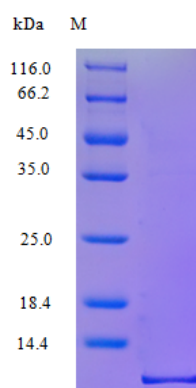
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|                            |                                                                                                                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological Activity</b> | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood monocytes is in a concentration range of 1.0-10 ng/ml.                                                                            |
| <b>Expression Region</b>   | 24-91aa                                                                                                                                                                                                                                                                         |
| <b>Storage</b>             | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| <b>Note</b>                | For research use only                                                                                                                                                                                                                                                           |
| <b>Expiration Date</b>     | 6 months from date of receipt.                                                                                                                                                                                                                                                  |

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