

## Product Datasheet

### Mouse IL-1a (orb3002350)

|                          |                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb3002350                                                                                                                                                                                                                                                                             |
| <b>Category</b>          | Proteins                                                                                                                                                                                                                                                                               |
| <b>Description</b>       | Recombinant Mouse Interleukin-1 Alpha is produced by our E.coli expression system and the target gene encoding Ser115-Ser270 is expressed.                                                                                                                                             |
| <b>Tag</b>               | Tag free                                                                                                                                                                                                                                                                               |
| <b>Form/Appearance</b>   | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 6% Sucrose, 2% Mannitol, 50mM Arginine, 0.03% Tween80, pH 8.0.                                                                                                                                                           |
| <b>Reconstitution</b>    | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Purity</b>            | SDS-PAGE: Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                         |
| <b>UniProt ID</b>        | <b>P01582</b>                                                                                                                                                                                                                                                                          |
| <b>MW</b>                | Predicted: 18 KDa. Observed: 16 KDa, reducing conditions                                                                                                                                                                                                                               |
| <b>Expression System</b> | E.coli                                                                                                                                                                                                                                                                                 |
| <b>Endotoxins</b>        | 1 EU/µg as determined by LAL test.                                                                                                                                                                                                                                                     |
| <b>Expression Region</b> | Ser115-Ser270                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.                                                          |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                  |

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**Expiration Date**

6 months from date of receipt.

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