

## Product Datasheet

### Human IL-2 R alpha Protein, His Tag (orb257613)

|                             |                                                                                                                                                                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>       | orb257613                                                                                                                                                                                                                                                               |
| <b>Category</b>             | Proteins                                                                                                                                                                                                                                                                |
| <b>Description</b>          | Human IL-2 R alpha, His Tag is expressed from human 293 cells (HEK293). It contains AA Glu 22 - Cys 213 (Accession # NP_000408).                                                                                                                                        |
| <b>Target</b>               | IL-2 R alpha                                                                                                                                                                                                                                                            |
| <b>Conjugation</b>          | Unconjugated                                                                                                                                                                                                                                                            |
| <b>Tag</b>                  | C-10×His                                                                                                                                                                                                                                                                |
| <b>Reactivity</b>           | Human                                                                                                                                                                                                                                                                   |
| <b>Form/Appearance</b>      | Powder                                                                                                                                                                                                                                                                  |
| <b>Buffer/Preservatives</b> | PBS, pH 7.4                                                                                                                                                                                                                                                             |
| <b>Purity</b>               | 95%                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>           | NP_000408                                                                                                                                                                                                                                                               |
| <b>MW</b>                   | 23.6 kDa                                                                                                                                                                                                                                                                |
| <b>Application notes</b>    | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 23.6 kDa. The protein migrates as 32-42 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Expression System</b>    | HEK293                                                                                                                                                                                                                                                                  |
| <b>Endotoxins</b>           | 0.01 EU per µg                                                                                                                                                                                                                                                          |
| <b>Expression Region</b>    | Glu 22 - Cys 213                                                                                                                                                                                                                                                        |

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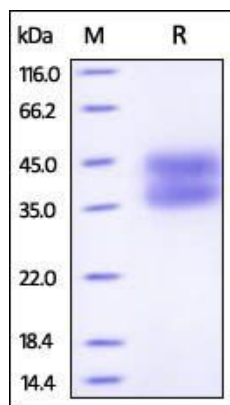
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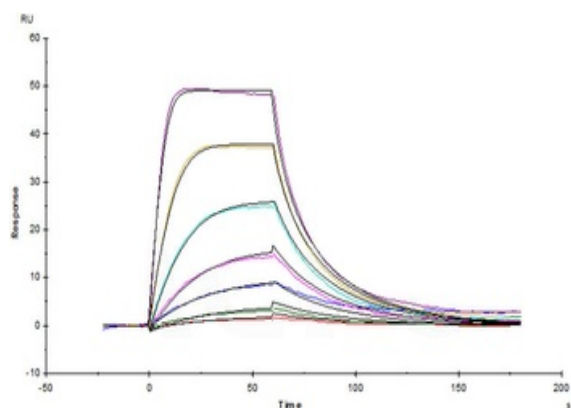
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|                        |                                |
|------------------------|--------------------------------|
| <b>Storage</b>         | -20°C                          |
| <b>Note</b>            | For research use only          |
| <b>NCBI</b>            | <b>NP_000408</b>               |
| <b>Expiration Date</b> | 6 months from date of receipt. |



SDS-PAGE analysis of Human IL-2 R alpha protein



Human IL-2 R alpha, His Tag (Cat. No. orb257613) captured on CM5 chip via anti-His antibody, can bind Human IL-2, Tag Free with an affinity constant of 29.9 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

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