

# Active Recombinant Human IL13RA1 protein, His-hFc-tagged

**Cat. No.** IL13RA1-763H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Active Recombinant Human IL13RA1 protein(NP_001551.1)(Met 1-Thr 343) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-343 aa                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4.                                                                                                                                                                                                                                                                                                           |
| <b>Bio-activity</b>     | Measured by its binding ability in a functional ELISA. Immobilized cynomolgus IL-13 at 4 µg/ml (100 µl/well) can bind human IL13RA1-Fc with a linear ranger of 0.156-2.5 µg/ml.                                                                                                                                                                 |
| <b>Molecular Mass</b>   | The recombinant human IL13Rα1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 570 amino acids and has a predicted molecular mass of 65 kDa. As a result of glycosylation, the apparent molecular mass of rh IL13Rα1/Fc monomer migrates with an apparent molecular mass of 85-95 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                |

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|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>                | Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                      |
| <b>Reconstitution</b>         | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                                                                                             |
| <b>protein Refseq-Weblink</b> | <a href="http://www.ncbi.nlm.nih.gov/protein/NP_001551.1">http://www.ncbi.nlm.nih.gov/protein/NP_001551.1</a>                                                                                                                                                                                                                                                             |
| <b>Unit ID</b>                | P78552                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Unit ID-Weblink</b>        | <a href="http://www.uniprot.org/uniprot/P78552">http://www.uniprot.org/uniprot/P78552</a>                                                                                                                                                                                                                                                                                 |
| <b>GENE INFORMATION</b>       |                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>              | IL13RA1 interleukin 13 receptor, alpha 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b>        | IL13RA1                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>               | IL13RA1; interleukin 13 receptor, alpha 1; interleukin-13 receptor subunit alpha-1; CD213a1; CD213a1 antigen; IL 13Ra; IL13 receptor alpha 1 chain; NR4; CT19; IL-13RA1; IL-13R-alpha-1; IL-13R subunit alpha-1; cancer/testis antigen 19; IL13 receptor alpha-1 chain; IL-13 receptor subunit alpha-1; bB128O4.2.1 (interleukin 13 receptor, alpha 1); CD213A1; IL-13Ra; |
| <b>Gene ID</b>                | 3597                                                                                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>            | NM_001560                                                                                                                                                                                                                                                                                                                                                                 |
| <b>protein Refseq</b>         | NP_001551                                                                                                                                                                                                                                                                                                                                                                 |

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