

## Recombinant Cynomolgus Monkey IL3RA Protein, hIgG1-tagged

**Cat. No.** IL3RA-1578C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Cynomolgus Monkey IL3RA Protein with hIgG1 tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | <p>The protein encoded by this gene is an interleukin 3 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found.</p> |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Endotoxin</b>        | < 1 EU/μg (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 85 % by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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|                       |                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Lyophilized from 0.2 µm filtered solution in PBS buffer with 5 % trehalose and 5 % mannitol.                                                                        |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/mL.                                                                 |

## GENE INFORMATION

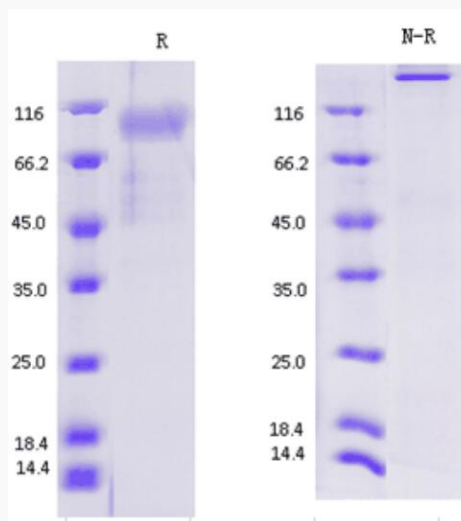
|                        |                                                                                      |
|------------------------|--------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL3RA interleukin 3 receptor subunit alpha [ <i>Macaca mulatta</i> (Rhesus monkey) ] |
| <b>Official Symbol</b> | IL3RA                                                                                |
| <b>Synonyms</b>        | IL3RA; interleukin 3 receptor subunit alpha; interleukin-3 receptor subunit alpha    |
| <b>Gene ID</b>         | 106995138                                                                            |
| <b>mRNA Refseq</b>     | XM_028842961                                                                         |
| <b>Protein Refseq</b>  | XP_028698794                                                                         |
| <b>UniProt ID</b>      | G8F1N5                                                                               |

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**SDS-PAGE analysis  
of purified IL3RA**



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