

Recombinant Human IL5RA protein, His-tagged

Cat. No. IL5RA-45H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human IL5RA(Asp21-Arg335) fused with His tag at N-terminal was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 21-335 a.a. |
| Description | The protein encoded by this gene is an interleukin 5 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 IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. |
| Form | Supplied as a 0.45 µg filtered solution in 50 mM NaH ₂ PO ₄ (pH 7.4), 0.3 M NaCl, 80 mM imidazole, 6 M urea. |
| Molecular Mass | 38 kDa |
| Purity | >95% |

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| Applications | Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc. |
| Storage | Upon arrival, the protein may be stored for 2 weeks at 4 centigrade. For long term storage, it is recommended to store at -20 centigrade or -80 centigrade in appropriate aliquots. Avoid repeated freeze-thaw cycles. |
| GENE INFORMATION | |
| Gene Name | IL5RA interleukin 5 receptor, alpha [Homo sapiens] |
| Official Symbol | IL5RA |
| Synonyms | IL5RA; interleukin 5 receptor, alpha; IL5R; interleukin-5 receptor subunit alpha; CD125; CDw125; CD125 antigen; IL-5R subunit alpha; IL-5 receptor subunit alpha; interleukin 5 receptor type 3; interleukin-5 receptor alpha chain; HSIL5R3; MGC26560; |
| Gene ID | 3568 |
| mRNA Refseq | NM_000564 |
| Protein Refseq | NP_000555 |
| MIM | 147851 |
| UniProt ID | Q01344 |
| Chromosome Location | 3p26-p24 |

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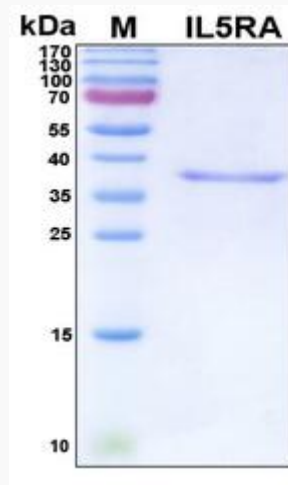
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Pathway

Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; IL-5 Signaling Pathway, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

interleukin-5 receptor activity; protein binding; receptor activity;



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