

Recombinant Human IL5RA Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. IL5RA-251H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL5RA MS Standard C13 and N15-labeled recombinant protein (NP_783854) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. [provided by RefSeq, Jul 2011]
Molecular Mass	37.5 kDa
AA Sequence	MIIVAHVLLILLGATEILQADLLPDEKISLLPPVNFTIKVTGLAQVLLQWKPNPDQEQRN VNLEYQVKINAPKEDDYETRITESKCVTILHKGFSASVRTILQNDHSSLASSWASAE HAPPGSPGTSIVNLTCTTNTTEDNYSRLRSYQVSLHCTWLVGTDAPEDTQYFLYYR

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YGSWTEECQEYSKDTLGRNIACWFPRTFILSKGRDWLAVLVNGSSKHSAIRPFDQL
 FALHAIDQINPPLNVTAIEIGTRLSIQWEKPVSAFPIHCFDYEVKIHNTRNGYLQIEKL
 MTNAFISIIDDLISKYDVQVRAAVSSMCREAGLWSEWSQPIYVGKTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IL5RA interleukin 5 receptor, alpha [Homo sapiens (human)]

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_175727

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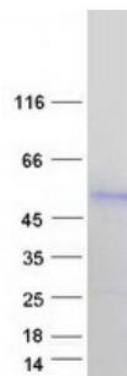
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Protein Refseq NP_783854

MIM 147851

UniProt ID Q01344

SDS-PAGE



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