

Recombinant Cynomolgus IL5RA Protein, His tagged

Cat. No. IL5RA-620C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus IL5RA Protein with His tag was expressed in HEK293T.
Species	Cynomolgus
Source	HEK293
ProteinLength	21-340 aa
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.
Molecular Mass	38 kDa
AA Sequence	DLLPDDKISLLPPVNFTIKVTGLAQVLLRWEPNPDQEQRNVNLEYQVKINAPKEDDYE TRITESKCVTILHKGFSASVRTILQKDHSLLASSWASAEHAPPGSPGTSVVNLTCTT NTTADNYSYLRPYQVSLHCTWLVGTDAPEDTQYFLYYRYGSWTEECQEYSKDSMG RNIACWFPRTFIHSRGRDWLAVLVNGSSKHSIAKPFQDLFALHAIDQINPPLNVTAIEIK GTRLSIQWEKPVSAFPIHCFDYEVKIHNARNGYLQIEKMMTNAFISIIDDLISKYDVQVR

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	AAVSSMCREAGLWSEWSQPIYVGKDEHKPLRHHHHHHHHHH
Endotoxin	<1 EU/μg by LAL
Purity	> 80% by SDS-PAGE
Storage	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.
Storage Buffer	Sterile PBS, pH7.4
Concentration	0.25 mg/mL by BCA

GENE INFORMATION

Gene Name	IL5RA interleukin 5 receptor subunit alpha [Homo sapiens (human)]
Official Symbol	IL5RA
Synonyms	IL5RA; interleukin 5 receptor subunit alpha; IL5R; CD125; CDw125; HSIL5R3; interleukin-5 receptor subunit alpha; CD125 antigen; IL-5 receptor subunit alpha; IL-5R subunit alpha; interleukin 5 receptor type 3; interleukin 5 receptor, alpha; interleukin-5 receptor alpha chain
Gene ID	3568
mRNA Refseq	NM_000564
Protein Refseq	NP_000555
MIM	147851

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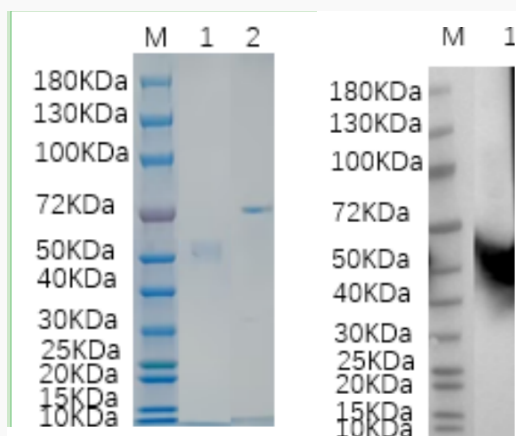
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UniProt ID

Q01344

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified IL5RA. 1. IL5RA: 1 µg 2. BSA: 1 µg

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