

Datasheet for ABIN7320031

IL5RA Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	IL5RA
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL5RA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse IL-5RA/IL-5 Rα Protein (Baculovirus, His Tag) (Active)
Sequence:	Met1-Val328
Characteristics:	A DNA sequence encoding the mouse IL5Ra (P21183) (Met1-Val328) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	1.Measured by its binding ability in a functional ELISA. 2.Immobilized mouse IL5Ra-His at 10µg/mL (100µL/well) can bind biotinylated mouse IL5-His, the EC50 of biotinylated mouse IL5-His is 30-100ng/mL.

Target Details

Target:	IL5RA
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Target Details

Alternative Name: IL-5RA/IL-5 Ralpha ([IL5RA Products](#))

Background: Interleukin 5 receptor, alpha (IL5RA) also known as CD125 (Cluster of Differentiation 125) is a subunit of the Interleukin-5 receptor. IL5RA (CD125) 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. Six alternatively spliced transcript variants encoding three distinct isoforms have been reported. IL5RA (CD125) is a T-cell-derived cytokine which is particularly important in the development of asthma for the lerminal differentiation, activation and survival of committed eosinophil precursors.

Synonym: Interleukin-5 receptor subunit alpha, IL-5 receptor subunit alpha, IL-5R subunit alpha, IL-5R-alpha, IL-5RA, CD125, IL5ra, IL5r

Molecular Weight: 36.8 kDa

UniProt: [P21183](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

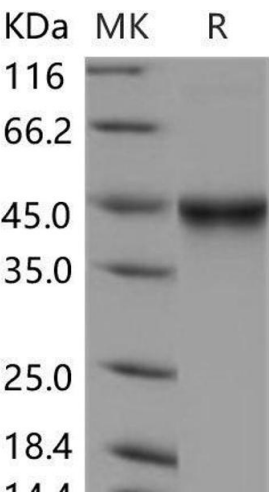
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.