

RP00411

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Recombinant Human IL-5RA/CD125 Protein

Catalog No.: RP00411

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3568	Q01344

Tags

C-His

Synonyms

IL5RA;CD125;CDw125;HSIL5R3;IL5R

Background

This protein 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.

Basic Information

Description

Recombinant Human IL-5RA/CD125 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Asp21-Glu335) of human IL-5 R alpha/CD125 (Accession #Q01344) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

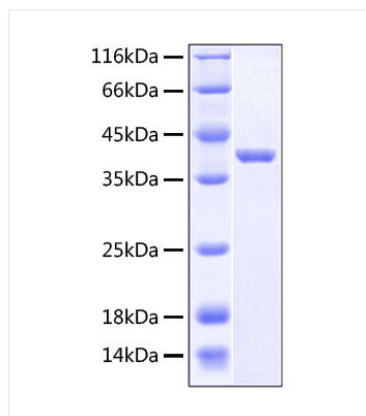
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human IL-5 R alpha/CD125 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 42 kDa.