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Datasheet for ABIN7536428 IL5RA Protein (His tag)

Overview

Quantity:	100 µg
Target:	IL5RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL5RA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL-5RA/CD125 Protein
Sequence:	MIIVAHVLLI LLGATEILQA DLLPDEKISL LPPVNFTIKV TGLAQVLLQW KPNDPQEQRN VNLEYQVKIN APKEDDYETR ITESKCVTIL HKGFSASVRT ILQNDHSLLA SSWASAEHLA PPGSPGTSIV NLTCTTNTTE DNYSRLRSYQ VSLHCTWLVG TDAPEDTQYF LYYRYGSWTE ECQEYSKDTL GRNIACWFPR TFILSKGRDW LAVLVNGSSK HSAIRPFDQL FALHAIDQIN PPLNVTAIE GTRLSIQWEK PVSAFPIHCF DYEVKIHNTR NGYLQIEKLM TNAFISIIDD LSKYDVQVRA AVSSMCREAG LWSEWSQPIY VGNDE
Specificity:	Met1-Glu335
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01EU/µg

Target Details

Target:	IL5RA
Alternative Name:	IL-5RA/CD125 (IL5RA Products)
Background:	<p>Description: 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 that is particularly important in the development of asthma for the terminal differentiation, activation, and survival of committed eosinophil precursors.</p> <p>Name: IL5R, CD125, CDw125, HSIL5R3,IL5RA</p>
Gene ID:	3568
UniProt:	Q01344-1
Pathways:	JAK-STAT Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial 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 free-thaw cycles.
Concentration:	0.75 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C

Handling

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.