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Datasheet for ABIN7520204 IL3RA Protein (His tag)

Overview

Quantity:	50 µg
Target:	IL3RA
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL3RA protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human IL-3RA/CD123 Protein
Sequence:	KEDPNPPITN LRMKAKAQQ L TWDLNRNVT D IECVKDADYS MPAVNNSYCQ FGAISLCEVT NYTVRVANPP FSTWILFPEN SGKPWAGAEN LTCWIHDVDF LSCSWAVGPG APADVQYDLY LNVANRRQQY ECLHYKTD AQ GTRIGCRFDD ISRLSSGSQS SHILVRGRSA AFGIPCTDKF VVFSQIEILT PPNMTAKCNK THSFMHWKMR SHFN RKFRYE LQIQKRMQPV ITEQVRDRTS FQLLNPGTYT VQIRARERVY EFLSAWSTPQ RFEC DQEEGA NTRAWR
Specificity:	Lys20-Arg305
Purity:	> 90 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant Human IL3 at 4 µg/mL (100 µL/well) can bind recombinant Human IL3RA, the EC ₅₀ of Human IL3RA is 5.3 µ

Product Details

g/mL.

Target Details

Target:	IL3RA
Alternative Name:	IL-3RA/CD123 (IL3RA Products)
Background:	<p>Description: The protein encoded by this gene is an interleukin 3 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 IL3 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL3. This gene and the gene encoding the colony stimulating factor 2 receptor alpha chain (CSF2RA) form a cytokine receptor gene cluster in a X-Y pseudoautosomal region on chromosomes X or Y. Alternatively spliced transcript variants encoding distinct isoforms have been found.</p> <p>Name: IL3RA,CD123,IL3R,IL3RAY,IL3RX,IL3RY,hIL-3Ra</p>
Gene ID:	3563
UniProt:	P26951
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
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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.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	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.