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Datasheet for ABIN7520157
IL15RA Protein (Fc Tag,His tag)

Overview

Quantity:	20 µg
Target:	IL15RA
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL15RA protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Mouse IL-15RA/CD215 Protein
Sequence:	GTTCTPPVSI EHADIRVKNY SVNSRERYVC NSGFKRKAGT STLIECVINK NTNVAHWTP SLKCIRDPSL AHYSPVPTVW TPKVTSQPES PPSAKEPEA FSPKSDTAMT TETAIMPGSR LTPSQTTAG TTGTGSHKSS RAPSLAATMT LEPTASTSLR ITEISPHSSK MTK
Specificity:	Gly33-Lys205
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	Measured by its binding ability in a functional ELISA.Immobilized Human IL15 at 1 µg/mL (100 µL/well) can bind Mouse IL15RA with a linear range of 0.3-77 ng/mL.

Target Details

Target:	IL15RA
Alternative Name:	IL-15RA/CD215 (IL15RA Products)
Background:	<p>Description: Mouse interleukin-15 receptor subunit alpha, also known as Il15ra, is a high-affinity receptor for interleukin-15. Il15ra associates as a heterotrimer with the IL-2 receptor beta and gamma subunits (Common gamma chain, orgamma c) to initiate signal transduction. It can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells. Il15ra is expressed in special cells including a wide variety of T and B cells and non-lymphoid cells. Human Il15ra shares 45 % amino acid sequence homology with the mouse form of the receptor. Eight isoforms of IL-15 R alpha mRNA have been identified, resulting from alternative splicing events involving different exons.</p> <p>Name: IL-15RA,CD215,AA690181,IL15RA</p>
Gene ID:	16169
UniProt:	Q60819-1
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.
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.