

Datasheet for ABIN2181392
IL5RA Protein (AA 21-335) (His tag)



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1 Image

Overview

Quantity:	50 µg
Target:	IL5RA
Protein Characteristics:	AA 21-335
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL5RA protein is labelled with His tag.

Product Details

Sequence:	AA 21-335
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 37.7 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>85 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL5RA
Alternative Name:	IL-5 R alpha (IL5RA Products)

Target Details

Background: Interleukin-5 receptor subunit alpha (IL5RA) is also known as IL-5 receptor subunit alpha, IL-5R subunit alpha and CD125, which is a single-pass type I membrane protein that belongs to the type I cytokine receptor family and type 5 subfamily. IL5R, a heterodimer of an alpha and a beta subunit, is expressed on eosinophils and basophils. IL5RA / CD125 is the receptor for interleukin-5 (IL5) and the alpha chain can bind to IL5. The WSXWS motif of IL5RA appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. The beta subunit of IL5R is common to the IL3, IL5 and GM-CSF receptors.

Molecular Weight: 37.7 kDa

NCBI Accession: [NP_000555](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

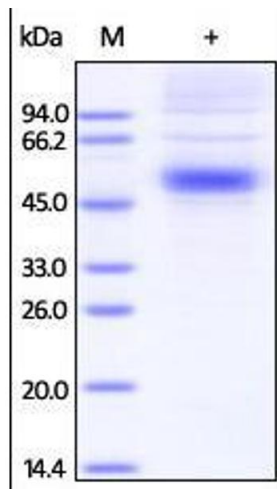
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).



SDS-PAGE

Image 1. Human IL-5 R alpha, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 85%.