

Datasheet for ABIN7275034

**IL5RA Protein (AA 21-335) (His-Avi Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 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-Avi Tag.

## Product Details

Purpose:	Human IL-5 R alpha/CD125 Protein
Sequence:	Asp21-Glu335
Characteristics:	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Asp21-Glu335.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 4.9nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

Target:	IL5RA
Alternative Name:	IL-5 R alpha ( <a href="#">IL5RA Products</a> )
Background:	Interleukin-5 Receptor alpha (IL-5 R alpha), also known as CD125, is a 60 kDa hematopoietin receptor that plays a dominant role in eosinophil biology. This is the receptor for interleukin-5. The alpha chain binds to IL5.
Molecular Weight:	38.7 kDa. Due to glycosylation, the protein migrates to 50-68 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">JAK-STAT Signaling</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human IL-5R alpha is greater than 95 % as determined by SEC-HPLC.

Surface Plasmon Resonance

**Image 2.** Human IL-5, His Tag immobilized on CM5 Chip can bind Human IL-5Ra, His Tag with an affinity constant of 4.9nM as determined in a SPR assay (Biacore T200).

SDS-PAGE

**Image 3.** Human IL-5R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

