

# Human IL-5 R alpha/CD125 Protein

Cat. No. ILR-HM25R

## Description

<b>Source</b>	Recombinant Human IL-5 R alpha/CD125 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Asp21-Glu335.
<b>Accession</b>	Q01344-1
<b>Molecular Weight</b>	The protein has a predicted MW of 62.6 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

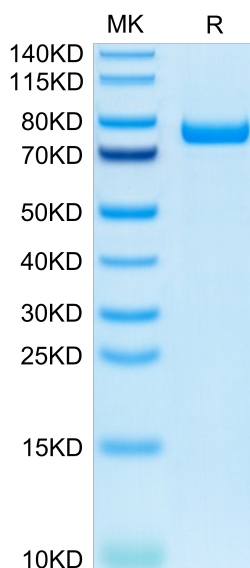
<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Interleukin5 Receptor alpha (IL5 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.

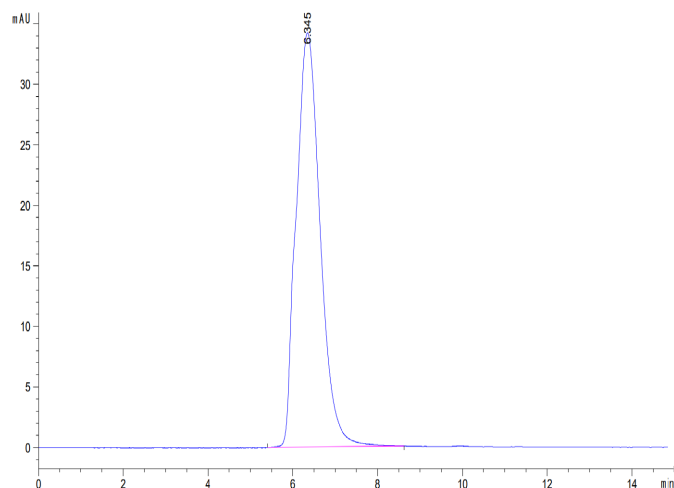
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



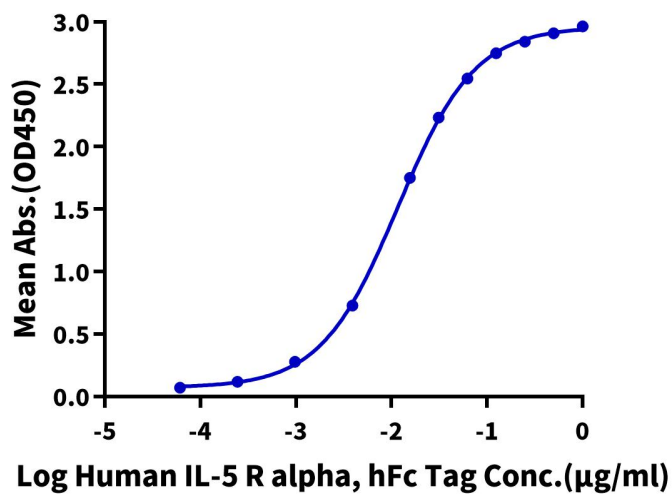
The purity of Human IL-5R alpha is greater than 95% as determined by SEC-HPLC.

### ELISA Data

Assay Data

**Human IL-5 R alpha, hFc Tag ELISA**

0.1µg Human IL-5, His Tag Per Well



Immobilized Human IL-5, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-5 R alpha, hFc Tag with the EC50 of 11.7ng/ml determined by ELISA.