

# Mouse IL-11R alpha Protein

Cat. No. ILR-MM111

## Description

<b>Source</b>	Recombinant Mouse IL-11R alpha Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser24-Ala372.
<b>Accession</b>	Q64385
<b>Molecular Weight</b>	The protein has a predicted MW of 39.19 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

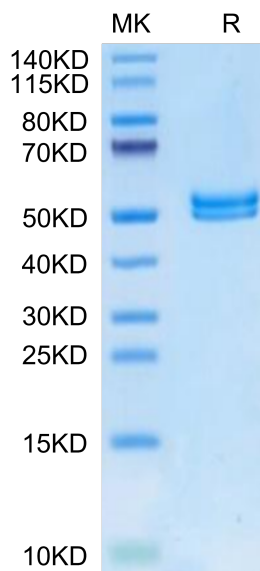
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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.

## Background

Abstract Interleukin-11 (IL-11) is a pleiotropic cytokine that belongs to gp130 family. IL-11 and its receptor, IL-11Ra, are expressed in human cancers, human cancer cells expressed a functional IL-11Ra subunit, which triggered signal transduction either by exogenous recombinant human IL-11 or by autocrine production of IL-11 in cells cultured under hypoxic conditions.

## Assay Data

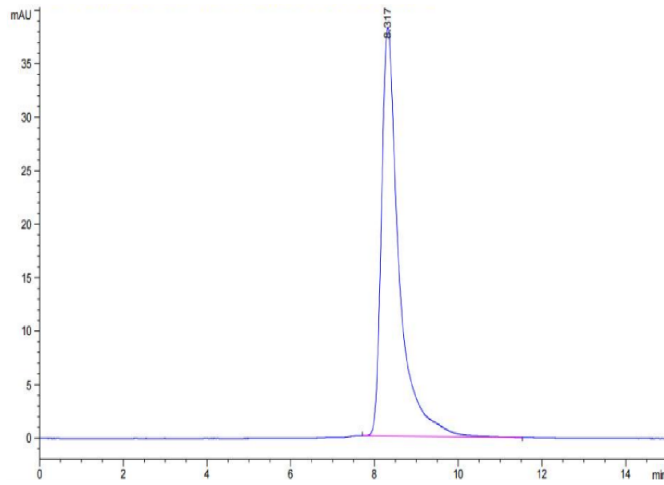
### Bis-Tris PAGE



Mouse IL-11R alpha on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

Assay Data



The purity of Mouse IL-11R alpha is greater than 95% as determined by SEC-HPLC.