

Mouse IL-11R alpha Protein, Ultra Low Endotoxin

Cat. No. ILR-MM111-UL

Description

| | |
|-------------------------|---|
| Source | Recombinant Mouse IL-11R alpha Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser24-Ala372. |
| Accession | Q64385 |
| Molecular Weight | 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. |
| Endotoxin | Less than 0.01 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

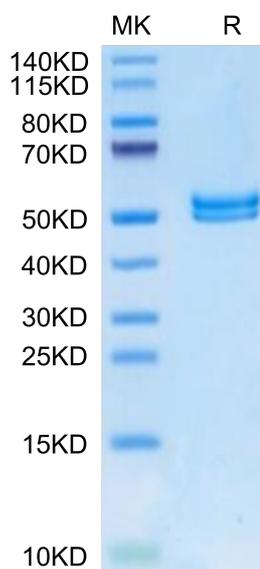
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

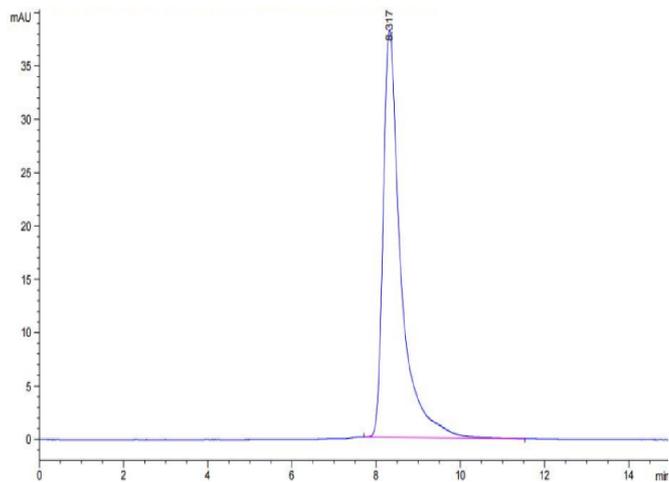
Bis-Tris PAGE



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.