

Mouse IL-11R alpha Protein



Cat. No. ILR-MM111

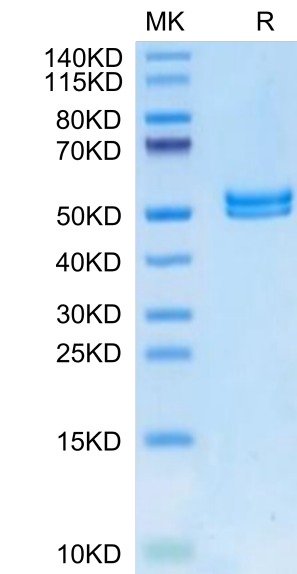
| Description      |   |
|------------------|---|
| Source           | Recombinant Mouse IL-11R alpha Protein is expressed from HEK293 with His tag at the C-Terminus.<br>It contains Ser24-Ala372.        |
| Accession        | Q64385  |
| Molecular Weight | The protein has a predicted MW of 39.19 kDa.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

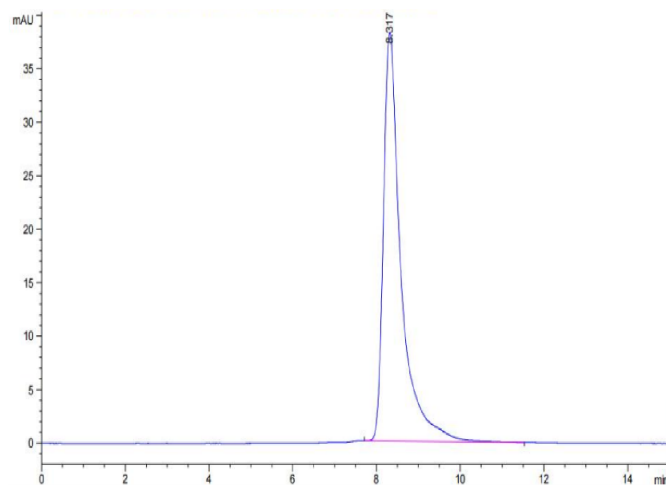
Bis-Tris PAGE



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.