

Cynomolgus IL-1 Rrp2/IL-1 R6 Protein, Ultra Low Endotoxin

Cat. No. IL1-CM1L2-UL

Description

| | |
|-------------------------|---|
| Source | Recombinant Cynomolgus IL-1 Rrp2/IL-1 R6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp20-Arg335. |
| Accession | EHH61702.1 |
| Molecular Weight | The protein has a predicted MW of 37.1 kDa. Due to glycosylation, the protein migrates to 60-70 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

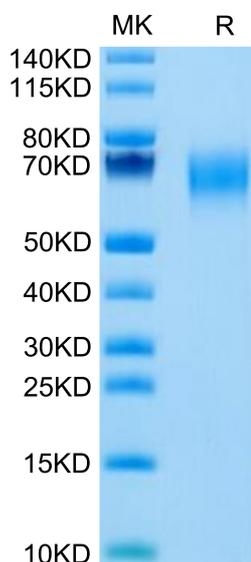
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for 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

The Interleukin 1 receptor family (IL-1 R) comprises at least eleven members including IL-1 RI (IL-1 R1), IL-1 RII (IL-1 R2), IL-1 RAcP (IL1 R3), ST2 (T1/IL-1 R4), IL-18 Ra (IL-1 Rrp/IL-1 R5), IL-1 Rrp2 (IL-1 RL2/IL-1 R6), IL-18 Rb (AcPL/IL-1 R7), IL-1RAPL1 (TIGIRR2/IL1 R8), and TIGIRR-1 (IL-1 R9). IL1RL2 is a receptor for interleukin-36 (IL36A, IL36B and IL36G). After binding to interleukin-36 associates with the coreceptor IL1RAP to form the interleukin-36 receptor complex which mediates interleukin-36-dependent activation of NF-kappa-B, MAPK and other pathways.

Assay Data

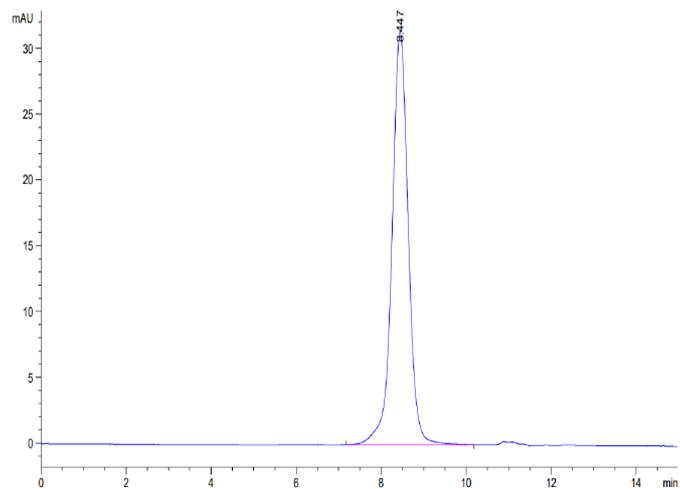
Bis-Tris PAGE



Cynomolgus IL-1 Rrp2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Cynomolgus IL-1 Rrp2 is greater than 95% as determined by SEC-HPLC.