

Human IL-1 Rrp2/IL-1 R6 (C154S, C262S) Protein

Cat. No. IL1-HM1L2

Description

Source	Recombinant Human IL-1 Rrp2/IL-1 R6 (C154S, C262S) Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Asp20-Tyr337 (C154S,C262S).
Accession	Q9HB29-1
Molecular Weight	The protein has a predicted MW of 37.2 kDa. Due to glycosylation, the protein migrates to 56-67 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

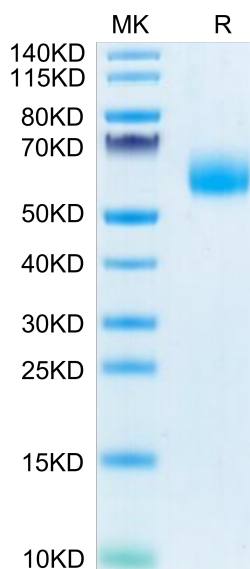
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 24 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

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

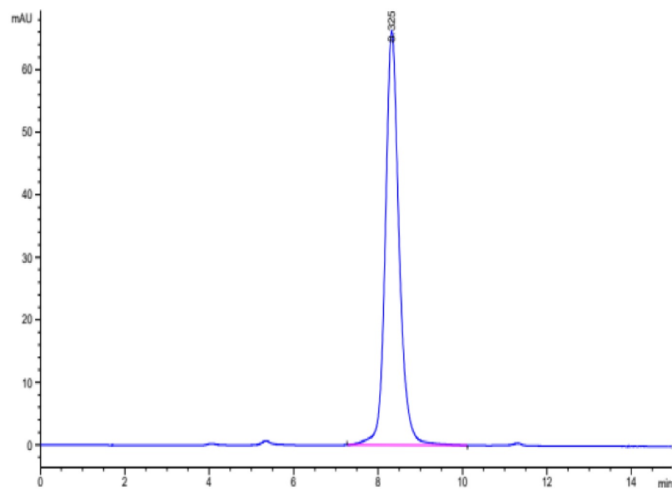
Bis-Tris PAGE



Human IL-1 Rrp2 (C154S, C262S) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

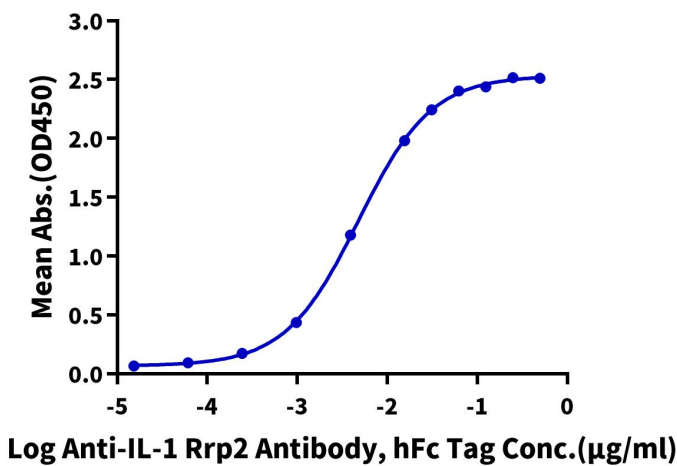


The purity of Human IL-1 Rrp2 (C154S, C262S) is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human IL-1 Rrp2 (C154S, C262S), His Tag ELISA

0.1µg Human IL-1 Rrp2 (C154S, C262S), His Tag Per Well



Immobilized Human IL-1 Rrp2 (C154S, C262S), His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-IL-1 Rrp-2 Antibody, hFc Tag with the EC50 of 4.8ng/ml determined by ELISA.