

Datasheet for ABIN7274886

IL1RL2 Protein (Cys154Ser-Mutant, Cys262Ser-Mutant) (His tag)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	IL1RL2
Protein Characteristics:	Cys154Ser-Mutant, Cys262Ser-Mutant
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1RL2 protein is labelled with His tag.

Product Details

Purpose:	Human IL-1 Rrp2/IL-1 R6 (C154S,C262S) Protein
Sequence:	Asp20-Tyr337 (C154S,C262S)
Characteristics:	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).
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-1 Rrp2 (C154S,C262S) , His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-IL-1 Rrp-2 Antibody, hFc Tag with the EC50 of 12.4ng/ml determined by ELISA. See testing image for detail.

Target Details

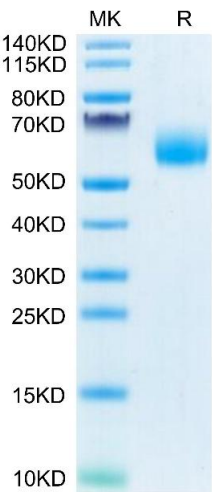
Target:	IL1RL2
Alternative Name:	IL-1 Rrp2 (IL1RL2 Products)
Background:	The Interleukin 1 receptor family (IL-1 R) comprises at least eleven members including IL-1 RI (IL-1 R1), IL-1 RII (IL-1 R2), IL-1 RAcP (IL-1 R3), ST2 (T1/IL-1 R4), IL-18 Ra (IL-1 Rrp/IL-1 R5), IL-1 Rrp2 (IL-1 RL2/IL-1 R6), IL-18 Rb (AcPL/IL-1 R7), IL-1RAPL-1 (TIGIRR-2/IL-1 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.
Molecular Weight:	37.2 kDa. Due to glycosylation, the protein migrates to 56-67 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

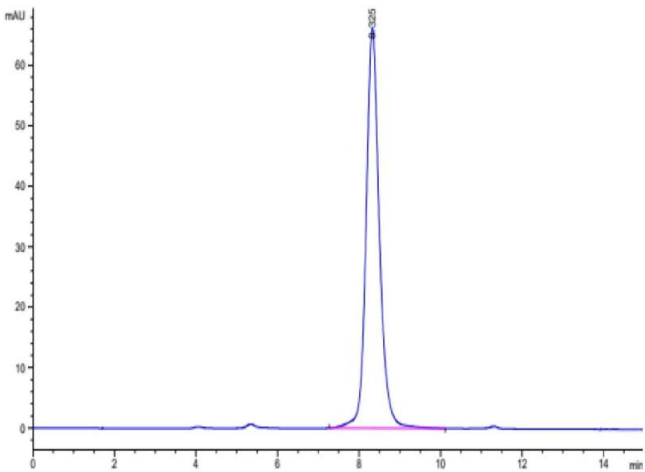
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



SDS-PAGE

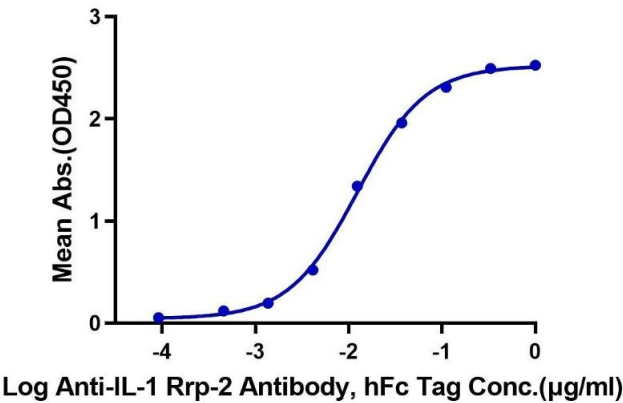
Image 1. Human IL-1 Rrp2 (C154S,C262S) on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-1 Rrp2 (C154S,C262S) is greater than 95 % as determined by SEC-HPLC.

Human IL-1 Rrp2(C154S,C262S), His Tag ELISA
0.05µg Human IL-1 Rrp2(C154S,C262S), His Tag Per Well



ELISA

Image 3. Immobilized Human IL-1 Rrp2(C154S,C262S), His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-IL-1 Rrp-2 Antibody, hFc Tag with the EC50 of 12.4 ng/mL determined by ELISA.