Recombinant Human IL1RL2 protein, Fc-tagged

Cat. No. IL1RL2-318H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1RL2 protein (Asp20-Arg335), fused to human IgG1 Fc tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	316
Description	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). All family members possess three immunoglobulin (Ig)-like domains in their extracellular region. Most members also have an intracellular TIR (Toll-like receptor/IL-1 receptor signaling) domain that is also conserved in the Toll-like receptor family. Related proteins, SIGIRR (single Ig domain-containing IL-1 R-related molecule) and IL-18BP, differ from the other members by having only one Ig domain.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 62.4 kDa. The protein migrates as 70-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

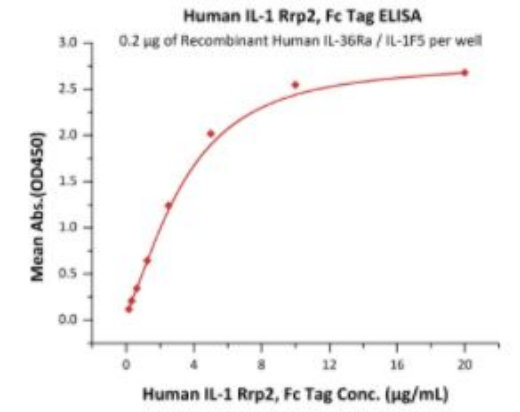
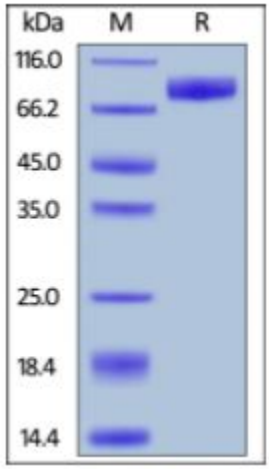
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Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL1RL2
Official Symbol	IL1RL2
Synonyms	IL1RL2; interleukin 1 receptor-like 2; interleukin-1 receptor-like 2; IL1R rp2; IL1RRP2; IL-1Rrp2; interleukin-1 receptor-related protein 2; IL1R-rp2
Gene ID	8808
mRNA Refseq	NM_003854
Protein Refseq	NP_003845
MIM	604512

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UniProt ID	Q9HB29
Bioactivity-ELISA of IL1RL2-318H	 Immobilized Recombinant Human IL-36Ra /IL-1F5 at 2 μg/mL (100 μL/well) can bind Human IL-1 Rrp2, Fc Tag with a linear range of 0.156-5 μg/mL (QC tested).
SDS-PAGE of IL1RL2-318H	 Human IL-1 Rrp2, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than

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