

Active Recombinant Human IL1R1 protein, His-tagged

Cat. No. IL1R1-3147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1R1 protein(Asp21-Thr332), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	21-332 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL1RA at 5 µg/mL (100 µL/well) can bind Recombinant Human IL1R1 with a linear range of 63-252 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Human IL-1 beta at 10 µg/mL (100 µL/well) can bind Biotinylated Human IL-1R1 with a linear range of 0.002-1 µg/mL.
Molecular Mass	36.70 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months,

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at 2-8°C for up to 1 week.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name [IL1R1 interleukin 1 receptor, type I \[Homo sapiens \]](#)

Official Symbol [IL1R1](#)

Synonyms IL1R1; interleukin 1 receptor, type I; IL1R, IL1RA; interleukin-1 receptor type 1; CD121A; D2S1473; IL-1R-1; IL-1RT1; IL-1RT-1; antigen CD121a; interleukin receptor 1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin 1 receptor alpha, type I; P80; IL1R; IL1RA; IL-1R-alpha;

Gene ID [3554](#)

mRNA Refseq [NM_000877](#)

Protein Refseq [NP_000868](#)

MIM [147810](#)

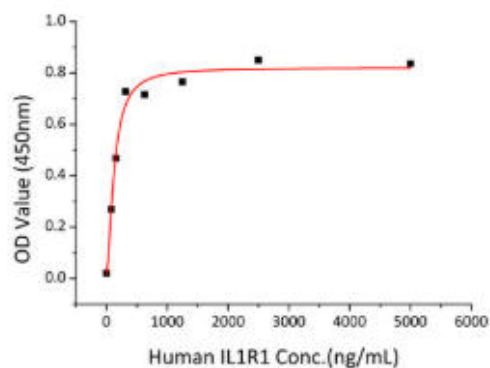
UniProt ID [P14778](#)

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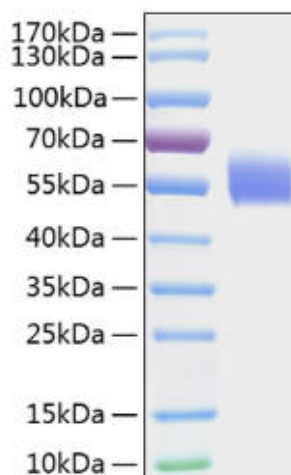
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Activity



SDS-PAGE



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