

Active Recombinant Human IL1R1, DDDDK-tagged

Cat. No. IL1R1-527H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL1R1 (NP_000868.1) (Met1-Thr332), fused with five amino acids (DDDDK) at the C-terminus, was produced in Human Cells.
Species	Human
Source	HEK293
ProteinLength	Met1-Thr332
Form	Lyophilized from sterile PBS, pH 7.4
Bio-activity	Measured by its ability to inhibit Interferon gamma secretion by human natural killer lymphoma NK-92 cells in the presence of 500 pg/mL IL1b. The ED50 for this effect is typically 40-200 ng/mL.
Molecular Mass	The recombinant human IL1R1 consists of 321 amino acids and predicts a molecular mass of 36.8 KDa. It migrates as an approximately 56 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

 Tel: 1-631-559-9269 1-516-512-3133

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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°C before opening to recover the entire contents.

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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