

Recombinant Human IL1R2 Protein, Fc-tagged

Cat. No. IL1R2-307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL1R2 protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	398
Description	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage.
Form	Lyophilized
Molecular Mass	64 kDa
AA Sequence	MLRLYVLVMGVSAFTLQPAAHGAARSCRFRGRHYKREFRLEGEPVALRCPQVPY WLWASVSPRINLTWHKNDSARTVPGEEETRMWAQDGALWLLPALQEDSGTYVCTT RNASYCDKMSIELRVFENTDAFLPFISYPQILTLSTSGVLVCPDLSEFTRDKTDVKIQ

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WYKDSLILLDKDNEKFLSVRGTTLLVHDVALEDAGYYRCVLTFAHEGQQYNITRSIE
LRIKKKKEETIPVIISPLKTISASLGSRLTIPCKVFLGTGTPLTTMLWWTANDTHIESAYP
GGRVTEGPRQEYSENNENYIEVPLIFDPVTREDLHMDFKCVVHNTLSFQTLRRTTVKE
ASSTFSWGIVLAPLSLAFLVLGGIWMHRRCKHRTGKADGLTVLWPHHQDFQSYPK

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name IL1R2 interleukin 1 receptor, type II [Homo sapiens (human)]

Official Symbol IL1R2

Synonyms IL1R2; interleukin 1 receptor, type II; IL1RB; interleukin-1 receptor type 2; CD121b;

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CDw121b; IL-1R-2; IL-1RT2; IL-1RT-2; IL-1R-beta; antigen CDw121b; IL-1 type II receptor; interleukin-1 receptor beta; interleukin-1 receptor type II; CD121 antigen-like family member B; type II interleukin-1 receptor, beta; MGC47725;

Gene ID 7850

mRNA Refseq NM_004633

Protein Refseq NP_004624

MIM 147811

UniProt ID P27930

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