

Product information

IL1R2, 14-343aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3733

Full name: Interleukin-1 receptor type 2 isoform 1

NCBI Accession No.: NP_004624

Synonyms: IL1R2, CD121b, CDw121b, IL-1R-2, IL-1RT-2, IL-1RT2, IL1R2c, IL1RB

Description: IL1R2, also known as interleukin-1 receptor type 2 isoform 1, is a cytokine receptor that belongs to the interleukin-1 receptor family. This protein is expressed predominantly by, T cells, fibroblasts and endothelial cells. It binds interleukin-1 α (IL1A), interleukin-1 β (IL1B), and interleukin 1 receptor antagonist (IL1RN), preventing them from binding to their regular receptors and thereby inhibiting the transduction of their signaling. Also, Interleukin-4 (IL4) is reported to antagonize the activity of interleukin-1 by inducing the expression and release of this cytokine. Recombinant human IL1R2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 38.8kDa (338aa)
40-57kDa (SDS-PAGE under reducing conditions)

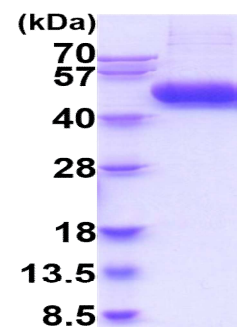
Predicted N terminal: Phe14

Purity: > 90% by SDS - PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm.)

Endotoxin Level: < 1.0 EU per 1 μ g of protein (determined by LAL method)

Biological activity: Measured by its ability to inhibit proliferation using D10.G4.1 mouse helper T cells. The ED50 for this effect is less or equal to 400 ng/ml with IL-1beta.



15% SDS-PAGE (3 μ g)

Sequences of amino acids:

FTLQPAATHG AARSCRFRGR HYKREFRLEG EPVALRCPQV PYWLWASVSP RINLTWHKND SARTVPGEED TRMWAQDGAL WLLPALQEDS
 GTYVCTTRNA SYCDKMSIEL RVFENTDAFL PFISYPQILT LSTSGVLVCP DLSEFTRDKT DVKIQWYKDS LLLDKDNEKF LSVRGTTLL
 VHDVALEDAG YYRCVLTFAH EGQQYNITRS IELRIKKKKE ETIPVVISPL KTISASLGSR LTIPCKVFLG TGTPLTTMLW WTANDTHIES
 AYPGGRVTEG PRQEYSENNE NYIEVPLIFD PVTREDLHMD FKCVVHNTLS FQTLRRTVKE LEHHHHHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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Product information

General references:

Greenfeder SA., et al, (1995) J Biol Chem 270:13757-13765.

Granowitz EV., et al, (1991) J. Biol. Chem. 266:14147-14150.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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