
Product Data Sheet

Product Name: IL1R2 Human
 Cat. No.: GP20470
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IL1R2; CD121b; CDw121b; IL-1R-2; IL-1RT-2; IL-1RT2; IL1R2c; IL1RB; IL-1 type II receptor; Interleukin-1 receptor beta; CD121 antigen-like family member B.		
Amino Acid Sequence	FTLQPAAHTG AARSCRFRGR HYKREFRLEG EPVALRCPQV PYWLWASVSP RINLTWHKND SARTVPGEEE TRMWAQDGAL WLLPALQEDS GTYVCTTRNA SYCDKMSIEL RVFENTDAFL PFISYPQILT LSTSGVLVCP DLSEFTRDKT DVKIQWYKDS LLLDKDNEKF LSVRGTTLLVHDVALEDAG YYRCVLTFAH EGQQYNITRS IELRIKKKKE ETIPVIISPL KTISASLGSR LTIPCKVFLG TGTPLTTMLW WTANDTHIES AYPGGRVTEG PRQEYSENNE NYIEVPLIFD PVTREDLHMD FKCVVHNTLS FQTLRTTVKE LEHHHHHH.		
Formulation	IL1R2 protein solution (0.5mg/ml) contains PBS (pH7.4) and 10% glycerol.		

Introduction

IL1R2 is a cytokine receptor which is a part of the interleukin-1 receptor family. IL1R2 is expressed mainly by T cells, endothelial cells and fibroblasts. IL1R2 binds IL1A, IL1B and IL1RN preventing them from binding to their regular receptors and thus inhibiting the transduction of their signaling. Also, Interleukin-4 antagonizes the activity of interleukin-1 by inducing the expression and release of this protein.

Biological Activity

Measured by its ability to inhibit proliferation using D10.G4.1 mouse helper T cells. The ED50 for this effect is \leq to 400 ng/ml with IL-1beta.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL1R2 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 338 amino acids (14-343a.a.) and having a molecular mass of 38.8kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). IL1R2 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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