9051 Mira Mesa Blvd, #910094
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IL1R2 Human

Interleukin 1 Receptor Type 2 Human Recombinant
CYK0404

Product Overview

Name	IL1R2 Human
Description	
Interleukin 1 Receptor Type 2 Human Recombinant	
Accession (Primary)	P27930
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.	
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.	
Source	
Sf9, Insect cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IL1R2 protein solution (0.5mg/ml) contains PBS (pH7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer 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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
FTLQPAAHTG AARSCRFRGR HYKREFRLEG EPVALRCPQV PYWLWASVSP RINLTWHKND SARTVPGEEE TRMWAQDGAL WLLPALQEDS GTYVCTTRNA SYCDKMSIEL RVFENTDAFL PFISYPQILT LSTSGVLVCP DLSEFTRDKT DVKIQWYKDS LLLDKDNEKF LSVRGTTHLL VHDVALEDAG YYRCVLTFAH EGQQYNITRS IELRIKKKKE ETIPVIISPL KTISASLGSR LTIPCKVFLG TGTPLTTMLW WTANDTHIES AYPGGRVTEG	

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PRQEYSENNE NYIEVPLIFD PVTREDLHMD FKCVVHNTLS FQTLRTTVKE LEHHHHHH .

Biological Activity

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

Precautions

IL1R2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P27930)