9051 Mira Mesa Blvd, #910094
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IL18R1 Human

Interleukin-18 Receptor-1 Recombinant Human
CYK0392

Product Overview

Name	IL18R1 Human
Description	
Interleukin-18 Receptor-1 Recombinant Human	
Accession (Primary)	Q13478
Synonyms	
Interleukin 18 Receptor 1, CD218 Antigen-Like Family Member A, IL1 Receptor-Related Protein, IL-18R-1, CDw218a, IL-18R1, IL-1Rrp, IL1R-Rp, IL1RRP, Interleukin-18 Receptor 1, Cytokine Receptor, CD218a Antigen, IL18Ralpha2, CD218a, IL18RA.	
Introduction	
IL18R1 (interleukin 18 receptor 1) is an interleukin receptor which is part of the immunoglobulin superfamily. IL18R1 comprises 3 Ig-like C2-type domains, on TIR domain IL18R1 shares many immuno-regulatory functions with IL12. IL12 and IFN-alpha are found to induce the expression of IL18 receptor in NK & T cells. Moreover, IL18R1 explicitly binds interleukin 18, and is vital for IL18 mediated signal transduction. IL18R1 does not bind IL1A or IL1B beta, however it does bind to the agonist which causes NF-kappa-B to become active.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
IL18R1 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).	
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 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
AESCTSRPHI TVVEGEPFYL KHCSCSLAHE IETTTKSWYK SSGSQEHVEL NPRSSSRIAL HDCVLEFWPV ELNDTGSYFF QMKNYTQKWK LNVIRRNKHS CFTERQVTSK IVEVKKFFQI TCENSYYQTL VNSTSLYKNC	

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KKLLLENNKN PTIKKNAEFE DQGYYSCVHF LHHNGKLFNI TKTFNITIVE DRSNIVPVLL GPKLNHVAVE LGKNVRLNCS ALLNEEDVIY WMFGEENGSD PNIHEEKEMR IMTPEGKWHA SKVLRIENIG ESNLNVLYNC TVASTGGTDT KSFILVRKAD MADIPGHVFT R VEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSDGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH

Precautions

IL18R1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13478)