
Product Data Sheet

Product Name: IL18R1 Human
 Cat. No.: GP20610
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	<p>AESCTSRPHI TVVEGEPFYL KHCSCSLAHE IETTTKSWYK SSGSQEHVEL NPRSSSRIAL HDCVLEFWPV ELNDTGSYFF QMKNYTQKWK LNVIRRNKHS CFTERQVTSK IVEVKKFFQI TCENSYQTL VNSTSLYKNC KKLLENKN PTIKKNAEFE DQGYSCVHF LHHNGKLFNI TKTFNITIVE DRSNIVPVELL GPKLNHVAVE LGKNVRLNCS ALLNEEDVIY WMFGEENGSD PNIHEEKEMR IMTPEGKWAH SKVLRIENIG ESNLNVLYNC TVASTGGTDT KSFILVRKAD MADIPGHVFT RVEPKSCDKT HTCPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGDS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSLSPGKHHHHHHH</p>		
Formulation	IL18R1 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4).		

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-

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

kappa-B to become active.

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.

Background

IL18R1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing a total of 550 amino acids (19-329 a.a.) and having a molecular mass of 62.7kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). IL18R1 is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA