

Datasheet for ABIN5855191

IL18R1 Protein (AA 19-329) (hIgG-His-tag)



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Overview

Quantity:	50 µg
Target:	IL18R1
Protein Characteristics:	AA 19-329
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL18R1 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	AESCTSRPHI TVVEGEPFYL KHCSCSLAHE IETTTKSWYK SSGSQEHVEL NPRSSSRIAL HDCVLEFWPV ELNDTGSYFF QMKNYTQKWK LNVIRRNKHS CFTERQVTSK IVEVKKFFQI TCENSYYQTL VNSTSLYKNC KKLLLENNKN PTIKKNAEFE DQGYSCVHF LHHNGKLFNI TKTFNITIVE DRSNIVPVLL GPKLNHVAVE LGKNVRLNCS ALLNEEDVIY WMFGEENGSD PNIHEEKEMR IMTPEGKWHA SKVLRIENIG ESNLNVLYNC TVASTGGTDT KSFILVRKAD MADIPGHVFT RVEPKSCDKT HTCPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSGGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 0.1 EU per 1µg of protein (determined by LAL method)

Target Details

Target:	IL18R1
Alternative Name:	IL-18R alpha/IL18R1 (IL18R1 Products)
Background:	IL18R1, also known as interleukin 18 receptor 1, is an interleukin receptor of the immunoglobulin superfamily. This protein contain three Ig-like C2-type (immunoglobulin-like) domains and on TIR domain. It shares numerous immuno-regulatory functions with IL12. IFN- α and IL12 are reported to induce the expression of this receptor in NK and T cells. Also, this receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. It binds to the agonist leads to the activation of NF-kappa-B, but does not bind IL1A or IL1B beta. Recombinant human IL18R1, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	62.7 kDa (550aa)
NCBI Accession:	NP_003846
UniProt:	Q13478

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.