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Recombinant human IL-18 R beta/IL-1 R7 protein

Catalog Number: ATGP3719

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-356aa

UniProt No.

095256

NCBI Accession No.

NP 003844.1

Alternative Names

Interleukin-18 receptor accessory protein, IL18RAP, ACPL, CD218b, CDw218b, IL-18R-beta, IL-18RACP, IL-18Rbeta, IL-1R-7, IL-1R7, IL-1RACPL, IL18RB

PRODUCT SPECIFICATION

Molecular Weight

65.4 kDa (576aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hlgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

IL18RAP, also known as interleukin-18 receptor accessory protein, is a member of the IL-1 family of cytokines that has multiple immunoregulatory functions. It does not mediate IL18-binding, but involved in IL18-dependent signal transduction, leading to NF-kappa-B and JNK activation. IL18R1 and IL18RAP polymorphisms have been



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found associated with diseases such as schizophrenia, HSV1 seropositivity and atopic asthma. Recombinant human IL18RAP protein, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

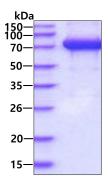
FNISGCSTKK LLWTYSTRSE EEFVLFCDLP EPQKSHFCHR NRLSPKQVPE HLPFMGSNDL SDVQWYQQPS NGDPLEDIRK SYPHIIQDKC TLHFLTPGVN NSGSYICRPK MIKSPYDVAC CVKMILEVKP QTNASCEYSA SHKQDLLLGS TGSISCPSLS CQSDAQSPAV TWYKNGKLLS VERSNRIVVD EVYDYHQGTY VCDYTQSDTV SSWTVRAVVQ VRTIVGDTKL KPDILDPVED TLEVELGKPL TISCKARFGF ERVFNPVIKW YIKDSDLEWE VSVPEAKSIK STLKDEIIER NIILEKVTQR DLRRKFVCFV QNSIGNTTQS VQLKEKR<LEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH>

General References

Cheung H., et al, (2005) J Immunol. 174:5351-5357. Chandrasekar B., et al, (2003) Biochem Biophys Res Commun. 303:1152-1158.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

