Recombinant human IL-18R beta/IL18RAP protein

Catalog Number: ATGP4073

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
20-356aa

UniProt No.
O95256

NCBI Accession No.
NP_003844.1

Alternative Names
ACPL, CD218 antigen-like family member B, CD218b, CDw218b, IL-18 receptor accessory protein, IL-18RAcP, IL18RAP, IL18RB, IL18Rbeta, IL-1R accessory protein-like, IL-1R7, IL-1RAcPL, Interleukin-1 receptor 7, Interleukin-18 receptor accessory protein, Interleukin-18 receptor accessory protein isoform 1, Interleukin-18 receptor beta

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
hIgG-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
IL-18 R beta/IL-1 R7, 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-

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dependent signal transduction, leading to NF-kappa-B and JNK activation. IL18R1 and IL18RAP polymorphisms have been found associated with diseases such as schizophrenia, HSV1 seropositivity and atopic asthma. Recombinant human IL-18 R beta/IL-1 R7 protein, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

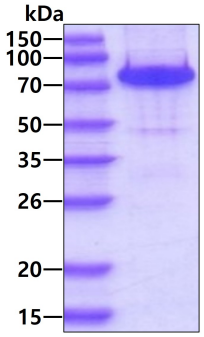
FNISGCSTKK LLWTYSTRSE EEFVLFCDLP EPQKSHFCHR NRLSPKQVPE HLPFMGSNDL SDVQWYQQPS NGDPLEDIRK SYPHIIQDKC TLHFLTPGVN NSGSYICRPK MIKSPYDVAC CVKMILEVKP QTNASCEYSA SHKQDLLLGS TGSISCPSLS CQSDAQSPAV TWYKNGKLLS VERSNRIVVD EVYDYHQGTY VCDYTQSDTV SSWTVRAVVQ VRTIVGDTKL KPDILDPVED TLEVELGKPL TISCKARFGF ERVFNPVIKW YIKDSDLEWE 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.