

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

Catalog Number: ATGP3719

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

20-356aa

### UniProt No.

O95256

### 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

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### 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

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### 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 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 TGSISCP SLS  
CQSDAQSPAV TWYKNGKLLS VERSNRIVVD EYDYHQGT Y VCDYTQSDTV SSWTVRAVVQ VRTIVGDTKL KPDILDPVED  
TLEVELGKPL TISCKARFGF ERVFNPIKW YIKSDLEWE VSVPEAKSIK STLKDEIIEER NIILEKVTQR DLRRKFVCFV  
QNSIGNTTQS VQLKEKR<LEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW  
YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLNQDNLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE  
LTKNQVSLTLC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT  
QKSLSLSPGK HHHHHH>

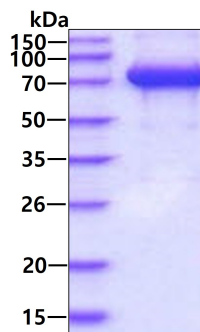
## General References

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



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