

Recombinant human IL-18BP protein

Catalog Number: ATGP3459

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

31-194aa

UniProt No.

O95998

NCBI Accession No.

NP_001138529

Alternative Names

Interleukin-18-binding protein, IL18BPa, Interleukin-18-binding protein isoform, IL18BP, Tadekinig-alfa

PRODUCT SPECIFICATION

Molecular Weight

44.9 kDa (406aa)

Concentration

0.5mg/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

IL18BP, as known as interleukin-18-binding protein isoform, is a secreted glycoprotein. It belongs to the interleukin 1 receptor family. This protein functions as an IL18 antagonist by binding to IL18 and blocking its biological activity. Also, it is essential for IL18 mediated signal transduction. The expression of IL18BP is markedly upregulated by IFN-gamma, suggesting that IL18 activity is modulated by a negative feedback

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mechanism mediated by IL18BP. Recombinant human IL18BP, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

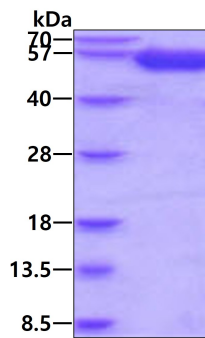
<ADP>TPVSQTT TAATASVRST KDPCPSQPPV FPAAKQCPAL EVTWPEVEVP LNGTLSLSCV ACSRFPNFSI LYWLGNGSFI EHLPGRLWEG STSRERGSTG TQLCKALVLE QLTPALHSTN FSCVLVDPEQ VVQRHVLAQ LWAGLRATLP PTQEALPSSH SSPQQG<LEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMIS RTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLNQDQWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH>

General References

Wang YB., et al. (2011) J. Int. Med. Res. 39:2201-2208.
Palladino I., et al, (2012) J Neuroinflammation 9:206.

DATA

SDS-PAGE



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