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## Recombinant human IL-18BP protein

Catalog Number: ATGP3459

## **PRODUCT INFORMATION**

## **Expression system**

Baculovirus

#### **Domain**

31-194aa

#### **UniProt No.**

095998

#### **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

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**

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

## **Amino acid Sequence**

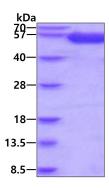
<ADP>TPVSQTT TAATASVRST KDPCPSQPPV FPAAKQCPAL EVTWPEVEVP LNGTLSLSCV ACSRFPNFSI LYWLGNGSFI EHLPGRLWEG STSRERGSTG TQLCKALVLE QLTPALHSTN FSCVLVDPEQ VVQRHVVLAQ LWAGLRATLP PTQEALPSSH SSPQQQG<LEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH>

#### **General References**

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

