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Recombinant human IL-18BP protein

Catalog Number: ATGP1940

PRODUCT INFORMATION

Expression system

E.coli

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

20 kDa (187aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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 functions as an inhibitor of the proinflammatory cytokine, IL18. It binds IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production, resulting in reduced T-helper type 1 immune responses. This protein is constitutively expressed and secreted in mononuclear cells. Elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Recombinant human IL18BP protein, fused to His-tag at N-terminus, was expressed in E. coli.



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Amino acid Sequence

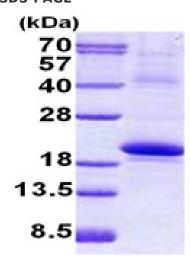
MGSSHHHHHH SSGLVPRGSH MGSTPVSQTT TAATASVRST KDPCPSQPPV FPAAKQCPAL EVTWPEVEVP LNGTLSLSCV ACSRFPNFSI LYWLGNGSFI EHLPGRLWEG STSRERGSTG TQLCKALVLE QLTPALHSTN FSCVLVDPEQ VVQRHVVLAQ LWAGLRATLP PTQEALPSSH SSPQQQG

General References

Shimizu, C., et al. (2012) Mod Rheumatol 22 (1), 73-79 Fujita, T., et al. (2011) Diabetes Res. Clin. Pract. 92 (3), E66-E69

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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

