

For Research Use Only

Recombinant Human IL-18BP protein (His Tag)



Catalog Number: Eg1147

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
C-6*His

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human IL-18BP protein Thr31-Gly194 (Accession# O95998-2) with a His tag at the C-terminus.

GeneID:

10068

Accession:

O95998-2

Predicted Molecular Mass:

18.4 kDa

SDS-PAGE:

30-50 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

IL-18 binding protein (IL-18BP) is a natural regulatory molecule of the proinflammatory cytokine IL-18. IL-18BP gene is expressed in numerous types of tissues and cells of humans and animals and its expression is regulated by interferon gamma (IFN- γ). It's a glycoprotein belonging to the immune globulin superfamily. IL-18BP can effectively inhibit action of IL-18 in vivo and in vitro and is considered as a natural antagonist of IL-18. The imbalance of IL-18/IL-18BP has been noticed in some inflammatory diseases, including rheumatoid arthritis (RA), psoriasis, asthma, lupus erythematosus, multiple sclerosis, atherosclerosis, inflammatory bowel disease (IBD), Crohn's disease (CD) and so on.

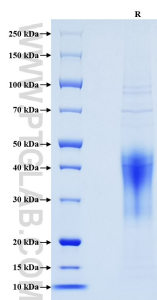
References

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- 2.Muhl H, et al.(2000). Biochem Biophys Res Commun. 267:960-963.
- 3.Mazodier K, et al.(2005). Blood. 106:3483-3489.
- 4.Mochol M, et al.(2020). 80:221-225.
- 5.Park SY, et al.(2022). 10(7):1750.

Synonyms

IL18BP, IL 18BP, IL-18BP, IL18BP α , interleukin 18 binding protein

Selected Validation Data



Purity of Recombinant Human IL-18BP was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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