Bioactive

IL18BP (Human) Recombinant Protein

Catalog # P7420 Size 10 ug

Specification

Product Description	Human IL18BP (O95998, 31 a.a. - 194 a.a.) partial recombinant protein expressed in CHO cells.
Sequence	TPVSQTTTAATASVRSTKDPCPSQPPVFPAAKQCPALEVTWPEVEVPLNGTLSLSCVACSRFPN FSILYWLGNGSFIEHLPGRLWEGSTSRERGSTGTQLCKALVLEQLTPALHSTNFSCVLVDPEQVV QRHVVLAQLWAGLRATLPPTQEALPSSHSSPQQQG
Host	Mammals
Theoretical MW (kDa)	42 ~ 44
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED_{50} < 30.0 ng/mL, measured in a bioassay using KG-1 cells in the presence of 50.0 ng/mL Human IL-18.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — IL18BP

Entrez GeneID	10068
Protein Accession#	O95998
Gene Name	IL18BP
Gene Alias	IL18BPa
Gene Description	interleukin 18 binding protein
Omim ID	604113
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an inhibitor of the proinflammatory cytokine IL18. This protein binds to IL18, prevents the binding of IL18 to its receptor, and thus inhibits IL18-induced IFN-gamma production. This protein is constitutively expressed and secreted in mononuclear cells. The expression of this protein can be enhanced by IFN-gamma. An elevated level of this protein is detected in the intestinal tissues of patients with Crohn's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	MC51L-53L-54L homolog gene product|OTTHUMP00000179141|OTTHUMP00000179143

Disease

- Amyotrophic lateral sclerosis
- Anoxia
- Asthma
- Atherosclerosis
- Cardiovascular Diseases
- Chorioamnionitis
- Coronary Disease
- Fetal Membranes

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- Genetic Predisposition to Disease
- Hepatitis C
- Myocardial Infarction
- Obstetric Labor
- Postoperative Complications
- Pre-Eclampsia
- Premature Birth
- Schizophrenia

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