

Recombinant Human IL-18 R beta/IL-1 R7/CD218b Protein

Catalog No.: RP01100 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	8807	O95256

Tags

C-His

Synonyms

IL18RAP;ACPL;CD218b;CDw218b;IL-18R-beta;IL-18RAcP;IL-18Rbeta;IL-1R-7;IL-1R7;IL-1RAcPL;IL18RB

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
39.4 kDa	55-60 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

This protein is an accessory subunit of the heterodimeric receptor for interleukin 18 (IL18), a proinflammatory cytokine involved in inducing cell-mediated immunity. This protein enhances the IL18-binding activity of the IL18 receptor and plays a role in signaling by IL18. Mutations in this gene are associated with Crohn's disease and inflammatory bowel disease, and susceptibility to celiac disease and leprosy. Alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

Basic Information

Description

Recombinant Human IL-18 R beta /IL-1 R7/CD218b Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Phe20-Arg356) of human IL-18 R beta /IL-1 R7/CD218b (Accession #O95256) fused with a 6×His tag at the C-terminus.

Bio-Activity

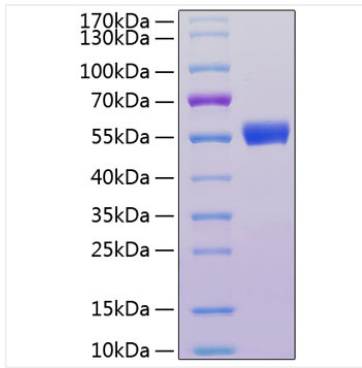
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human
IL-1R7/IL-18RAcP/CD218b Protein was
determined by SDS-PAGE with Coomassie
Blue, showing a band at 56 kDa.