

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

Catalog No.: RP02619

Sequence Information

Species	Gene ID
Human	8807
Swiss Prot	Tags
O95256-1	C-hFc

Synonyms

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

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

65.3 kDa 70-80 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

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.

Background

lactoferrin (LTF), peptidoglycan recognition protein 1 and IL-18 receptor accessory protein (IL18RAP) remained significantly elevated in peripheral monocytes of hypertensive individuals in a separate validation cohort. Interestingly, IL18RAP expression associated with MAP in a cohort of African Americans..

Basic Information

Description

Recombinant Human IL-18 R beta /IL-1 R7/CD218b Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Phe20-Arg356) of Human IL-18 R beta fused with hFc tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

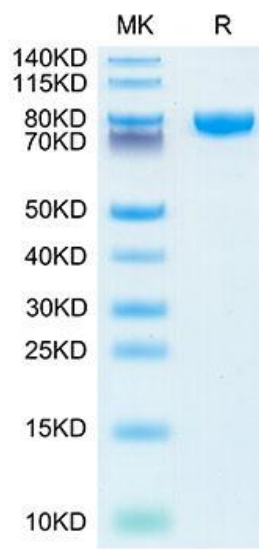
Contact

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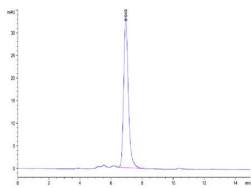
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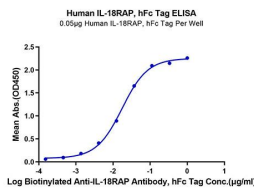
Validation Data



Recombinant Human IL-18 R beta/IL-1 R7/CD218b Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human IL-18RAP is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-18RAP, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-IL-18RAP Antibody, hFc Tag with the EC₅₀ of 17.6ng/ml determined by ELISA.