Recombinant Human IL-18R1/CD218a Protein

Catalog No.: RP00097

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Sequence Information

Species
Human

Gene ID
8809

Swiss Prot
Q13478

Tags
C-hFc&His

Synonyms
IL18R1,CD218a,CDw218a,IL-1Rrp,IL18RA,IL1RRP,IL18R1/IL-18 R alpha

Product Information

Source
HEK293 cells

Purification
≥ 85 % as determined by SDS-PAGE.

Calculated MW
62.49 kDa

Observed MW
80-105 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Basic Information

Description
Recombinant Human IL-18R1/CD218a Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu20-Arg329) of human IL18R1/CD218a (Accession #NP_003846.1) fused with an Fc, 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA.Immobilized IL18R1 Mouse mAb at 1μg/mL (100 μL/well) can bind Human IL18R1 with a linear range of 0.03-1.06ng/ml.

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℃

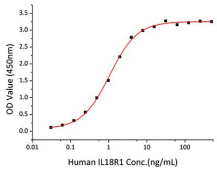
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

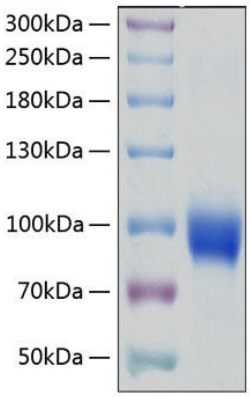
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Validation Data



Immobilized IL18R1 Mouse mAb at 1μg/mL (100 μL/well) can bind Human IL18R1 with a linear range of 0.03-1.06ng/ml.



Recombinant Human IL-18R1/CD218a Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.