

RP00097

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# Recombinant Human IL-18R1/CD218a Protein

Catalog No.: RP00097

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8809	Q13478

### Tags

C-hFc&His

### Synonyms

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

## Product Information

Source	Purification
HEK293 cells	> 85% by SDS-PAGE.

### 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 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

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, 6xHis tag at the C-terminus.

### Bio-Activity

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

### Storage

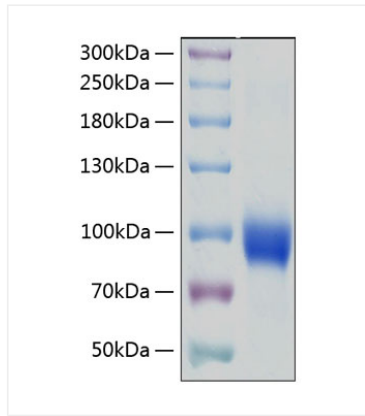
Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

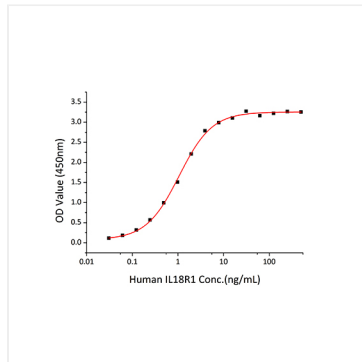


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## Validation Data



Recombinant Human IL-18R1/CD218a  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing a band at 80-105  
kDa.



Immobilized IL18R1 Mouse mAb at 1 $\mu$ g/mL  
(100  $\mu$ L/well) can bind Human IL18R1 with a  
linear range of 0.03-1.06ng/ml.