

Recombinant Human IL18R1, His-tagged

Cat. No. IL18R1-191H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL18R1 /CD218a Protein (rh IL18R1 /CD218a) Ala 19 - Arg 329 (Accession # AAH69575) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	19-329 a.a.
Description	Interleukin-18 receptor 1 (IL18R1) is also known as CD218 antigen-like family member A (CD218a), IL1 receptor-related protein (IL-1Rrp or IL1R-rp), CDw218a, IL18Ra, IL1RRP, which belongs to the interleukin-1 receptor family. IL18R1 contains three Ig-like C2-type (immunoglobulin-like) domains and one TIR domain. IL18R1 is receptor for interleukin 18 (IL-18). IL18R1 binds to the agonist leads to the activation of NF-kappa-B, but does not bind IL1A/interleukin-1 alpha or IL1B/interleukin-1 beta.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	rh IL18R1 /CD218a is fused with polyhistidine tag at the C-terminus, and has a calculated MW of 36.6 kDa. The predicted N-terminus is Ala 19. DTT-reduced Protein migrates as 60-70 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per µg of the rh IL18R1 /CD218a by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC); After reconstitution under sterile conditions for 3 months (-70oC).
Reconstitution	See Certificate of Analysis for reconstitution instructions and specific concentrations.

GENE INFORMATION

Gene Name	IL18R1 interleukin 18 receptor 1 [Homo sapiens]
Official Symbol	IL18R1
Synonyms	IL18R1; interleukin 18 receptor 1; interleukin-18 receptor 1; CD218a; IL 1Rrp; IL1RRP; IL-18R1; IL1R-rp; IL-18R-1; cytokine receptor; IL1 receptor-related protein; CD218 antigen-like family member A; IL18RA; CDw218a; IL-1Rrp;
Gene ID	8809
mRNA Refseq	NM_003855
Protein Refseq	NP_003846
MIM	604494
UniProt ID	Q13478
Chromosome Location	2q12
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-

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cytokine receptor interaction, conserved biosystem; IL12 signaling mediated by STAT4, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem;

Function

interleukin-1 receptor activity; receptor activity; transmembrane signaling receptor activity;

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