Recombinant Human Interleukin 18 Receptor 1

Cat. No. IL18R1-1657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	Mammalian Cells
Description	The interleukin-18 receptor 1 (IL-18R1) is a cytokine receptor of the immunoglobulin superfamily. IL18R1 is also known as IL-18Rα, CDw218a (cluster of differentiation w218a), IL-1Rrp, and IL-1R family member. IL-18R1 specifically binds to interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IL-18Rα is expressed on Th1 cells, NK cell subset, neutrophils and IL-12-stimulated tonsillar B cells. By itself, IL-18Rα binds IL-18 with low affinity and when complexed with IL-18Rβ chain binds IL-18 with high affinity. The proinflammatory cytokine IL-18 and its receptor complex play an important role in the innate and autoimmune responses.
Molecular Weight	The predicted molecular weight of Recombinant Human IL-18 Rα is Mr 63 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 95-105 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.

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Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to 8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	IL18R1 interleukin 18 receptor 1 [Homo sapiens]
Synonyms	IL18R1; interleukin 18 receptor 1; CD218a; IL18RA; IL1RRP; CDw218a; IL-1Rrp; cytokine receptor; OTTHUMP00000161340; OTTHUMP00000203113; IL1 receptor-related protein; CD218 antigen-like family member A; CD218a antigen; cytokine receptor; Interleukin-18 receptor 1
Gene ID	8809
mRNA Refseq	NM_003855
Protein Refseq	NP_003846
MIM	604494
UniProt ID	Q13478
Chromosome Location	2q12
Pathway	Cytokine-cytokine receptor interaction
Function	interleukin-1 receptor activity; transmembrane receptor activity

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