

Recombinant Human IL18R1 Protein, His&GST-tagged

Cat. No. IL18R1-1666H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL18R1 Protein (Tyr375-Glu428) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr375-Glu428
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.2 kDa Accurate Molecular Mass: \
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL18R1 interleukin 18 receptor 1 [Homo sapiens (human)]
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

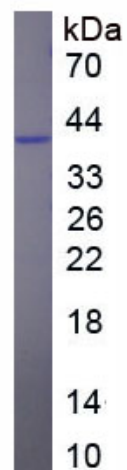
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UniProt ID

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