

## Recombinant Human IL18R1 Protein, His&GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL18R1 Protein (Tyr375-Glu428) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Tyr375-Glu428
<b>Description</b>	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-1Rp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 36.2 kDa Accurate Molecular Mass: \
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	IL18R1 interleukin 18 receptor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL18R1
<b>Synonyms</b>	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;
<b>Gene ID</b>	8809
<b>mRNA Refseq</b>	NM_003855
<b>Protein Refseq</b>	NP_003846
<b>MIM</b>	604494

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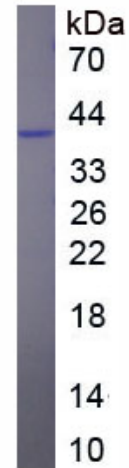
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UniProt ID

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