

Recombinant Rat Il18r1 Protein, His&GST-tagged

Cat. No. Il18r1-1667R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il18r1 Protein (Ala18-His321) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ala18-His321
Description	Predicted to enable interleukin-18 binding activity and interleukin-18 receptor activity. Predicted to be involved in several processes, including interleukin-18-mediated signaling pathway; negative regulation of cold-induced thermogenesis; and positive regulation of cytokine production. Predicted to act upstream of or within T-helper 1 cell differentiation; natural killer cell activation; and positive regulation of NIK/NF-kappaB signaling. Predicted to be part of interleukin-18 receptor complex. Human ortholog(s) of this gene implicated in asthma. Orthologous to human IL18R1 (interleukin 18 receptor 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 64.9 kDa Accurate Molecular Mass: 65 kDa
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	IL18r1 interleukin 18 receptor 1 [Rattus norvegicus (Norway rat)]
Official Symbol	IL18r1
Synonyms	IL18R1; interleukin 18 receptor 1;
Gene ID	301365
mRNA Refseq	NM_001106905
Protein Refseq	NP_001100375
UniProt ID	D3ZRM2

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