

Recombinant Rat Ifn1 Protein, His&GST-tagged

Cat. No. Ifn1-1653R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Ifn1 Protein (Thr25-Ala192) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr25-Ala192
Description	Predicted to enable interleukin-28 receptor binding activity. Predicted to be involved in several processes, including defense response to other organism; negative regulation of immune response; and regulation of gene expression. Predicted to be located in extracellular region. Predicted to be part of interleukin-28 receptor complex. Predicted to be active in extracellular space. Human ortholog(s) of this gene implicated in several diseases, including COVID-19; cryoglobulinemia; dengue hemorrhagic fever; hepatitis C; and liver disease (multiple). Orthologous to human IFNL1 (interferon lambda 1); IFNL2 (interferon lambda 2); and IFNL3 (interferon lambda 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.8 kDa Accurate Molecular Mass: 49 kDa
Purity	> 90%

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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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Ifnl1 interferon, lambda 1 [Rattus norvegicus (Norway rat)] If1ia2
Official Symbol	Ifnl1
Synonyms	Ifnl1; interferon, lambda 1; If1ia2; interferon lambda-2-like; interferon 1ia2; interleukin-28A-like
Gene ID	100911249
mRNA Refseq	XM_008759287
Protein Refseq	XP_008757509

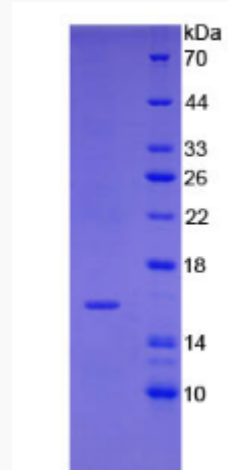
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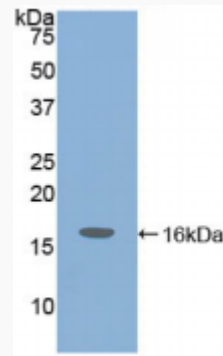
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UniProt ID

A0A0G2JWM7



WB

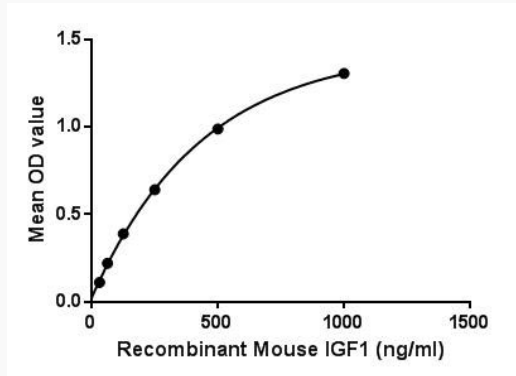


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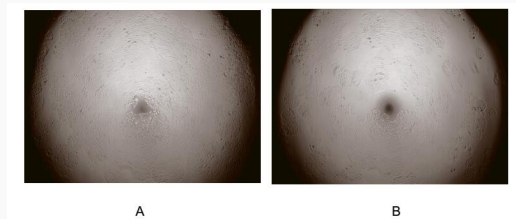
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Bioactivity 1



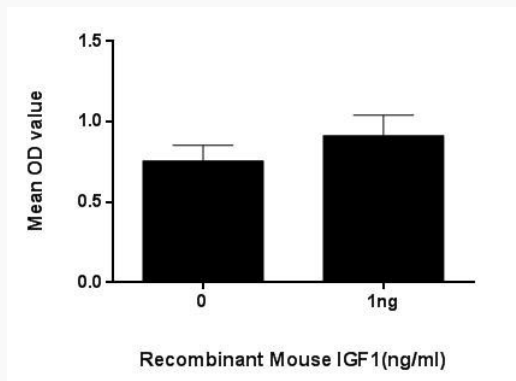
The binding activity of IGF1 with IGFBP5.

Bioactivity 2



Cell proliferation of MCF-7 cells after stimulated with IGF1.

Bioactivity 2



Cell proliferation of MCF-7 cells after stimulated with IGF1.

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