

Recombinant Rat Il11 Protein, His-tagged

Cat. No. II11-1659R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Il11 Protein (Pro25-Leu199) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Pro25-Leu199
Description	Predicted to enable cytokine activity; growth factor activity; and interleukin-11 receptor binding activity. Predicted to be involved in positive regulation of MAPK cascade and positive regulation of cell population proliferation. Predicted to act upstream of or within negative regulation of hormone secretion; positive regulation of protein phosphorylation; and positive regulation of transcription by RNA polymerase II. Predicted to be located in extracellular space. Predicted to be active in cytoplasm. Orthologous to human IL11 (interleukin 11).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.6 kDa Accurate Molecular Mass: 23 kDa
Purity	> 97%
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 ddH ₂ O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

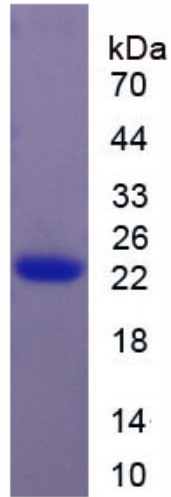
GENE INFORMATION

Gene Name	IL11 interleukin 11 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	IL11
Synonyms	IL11; interleukin 11; interleukin-11; IL-11;
Gene ID	171040
mRNA Refseq	NM_133519
Protein Refseq	NP_598203
UniProt ID	G3V890

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