

Recombinant Rat Fgf7 Protein, His&GST-tagged

Cat. No. Fgf7-1499R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgf7 Protein (Cys32-Thr194) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Cys32-Thr194
Description	Enables growth factor activity; heparin binding activity; and type 2 fibroblast growth factor receptor binding activity. Involved in several processes, including ovarian follicle development; phosphatidylcholine biosynthetic process; and surfactant homeostasis. Located in extracellular space. Orthologous to human FGF7 (fibroblast growth factor 7).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 47.8 kDa Accurate Molecular Mass: 44/47 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

Fgf7 fibroblast growth factor 7 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Fgf7

Synonyms

FGF7; fibroblast growth factor 7; FGF-7; HBGF-7; keratinocyte growth factor; heparin-binding growth factor 7; Kgf;

Gene ID

29348

mRNA Refseq

NM_022182

Protein Refseq

NP_071518

UniProt ID

Q02195

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