

Recombinant Rat Fst Protein, His-tagged

Cat. No. Fst-2759R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fst Protein (Arg35-Val283) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Arg35-Val283
Description	Enables heparan sulfate proteoglycan binding activity. Predicted to be involved in hematopoietic progenitor cell differentiation; negative regulation of transcription by RNA polymerase II; and regulation of transmembrane receptor protein serine/threonine kinase signaling pathway. Predicted to act upstream of or within several processes, including animal organ development; keratinocyte proliferation; and positive regulation of hair follicle development. Predicted to be located in cytoplasm and nucleus. Predicted to be active in extracellular space. Human ortholog(s) of this gene implicated in polycystic ovary syndrome. Orthologous to human FST (follistatin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.1 kDa Accurate Molecular Mass: 34 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	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

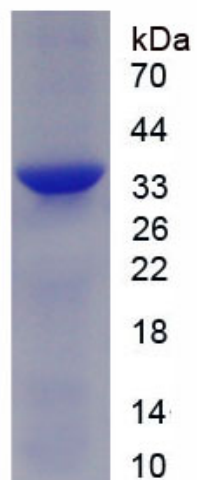
GENE INFORMATION

Gene Name	Fst follistatin [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Fst
Synonyms	Fst; follistatin; FS; FOL1; Fst-288; RATFOL1; follistatin; activin-binding protein; follistatin-A
Gene ID	24373
mRNA Refseq	NM_012561
Protein Refseq	NP_036693
UniProt ID	P21674

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