

Recombinant Pig FN1 Protein, His-tagged

Cat. No. FN1-2741P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig FN1 Protein (Gly314-Gly608) with N-His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Gly314-Gly608
Description	This gene encodes fibronectin, a glycoprotein present in a soluble dimeric form in plasma, and in a dimeric or multimeric form at the cell surface and in extracellular matrix. The encoded preproprotein is proteolytically processed to generate the mature protein. Fibronectin is involved in cell adhesion and migration processes including embryogenesis, wound healing, blood coagulation, host defense, and metastasis. The gene has three regions subject to alternative splicing, with the potential to produce 20 different transcript variants, at least one of which encodes an isoform that undergoes proteolytic processing. The full-length nature of some variants has not been determined.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.0 kDa Accurate Molecular Mass: 35 kDa
Purity	> 97%

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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	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	FN1 fibronectin 1 [<i>Sus scrofa</i> (pig)]
Official Symbol	FN1
Synonyms	FN1; fibronectin 1; LOW QUALITY PROTEIN: fibronectin
Gene ID	397620
mRNA Refseq	XM_003133642
Protein Refseq	XP_003133690

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