

## Recombinant Swine Fibronectin (FN1), N-His

Cat. No.: AP9C44

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Swine Fibronectin (FN1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 43.2 kDa. The purity is >80% (SDS-PAGE).

### Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>80% (SDS-PAGE)
Predicted Molecular Weight	43.2 kDa
Molecular Weight	45 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

### Target Information

Swine fibronectin (FN) is a high molecular weight glycoprotein found in the extracellular matrix and various body fluids, known for its multifunctional roles in biology. FN plays a crucial role in cell adhesion, migration, proliferation, and differentiation by binding to integrin receptors on the cell surface. It is also involved in wound healing, immune responses, and tissue remodeling. In pigs, FN contributes to the structural integrity of tissues and is essential for various physiological processes.

Protein	Swine Fibronectin (FN1)
Protein Synonym	FN1; CIG; FINC; LETS; MSF; GFND2; Anastellin; Migration-Stimulating Factor; Cold-Insoluble Globulin; Large, External, Transformation-Sensitive Protein
Gene ID	<a href="#">397620</a>
UniProt ID	<a href="#">A0A8D1ET23</a>

## Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months. Avoid repeated freezing and thawing.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.