

Recombinant Swine Ferritin Heavy Chain (FTH1), N-His

Cat. No.: AP9C923

Product Type: Animal Proteins

Size: 50 µg; 100 µg; 200 µg; 500 µg; 1 mg; 5 mg

Product Overview

BioVenic's Recombinant Swine Ferritin Heavy Chain (FTH1), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 22.6 kDa. The purity is >95% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>95% (SDS-PAGE)
Predicted Molecular Weight	22.6 kDa
Physical State	Lyophilized
Formulation	The buffer before lyophilization is phosphate buffered saline.

Target Information

Swine ferritin, heavy polypeptide (FTH) is a subunit of the ferritin protein complex, which is essential for iron storage and metabolism in various organisms, including swine. Ferritin is composed of 24 subunits, including both heavy (H) and light (L) chains, with FTH being the heavy chain. It plays a critical role in sequestering iron in a nontoxic form and delivering it to cells when needed. In swine, FTH contributes to maintaining iron homeostasis, which is vital for the health and development of the animal, particularly in immune function and oxygen transport.

Protein	Swine Ferritin Heavy Chain (FTH1)
Protein Synonym	FTH1; FTHL6; PIG15; PLIF; Ferritin Heavy Chain; Apoferritin; Placenta Immunoregulatory Factor; Proliferation-Inducing Protein 15; Cell proliferation-inducing gene 15 protein
Gene ID	397030
UniProt ID	P19130

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.

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.

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.