

Recombinant Swine Natriuretic Peptides A (NPPA), N-His

Cat. No.: AP9C839

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Swine Natriuretic Peptides A (NPPA), N-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is N/A. The purity is >97% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>97% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	N/A
Physical State	Lyophilized
Formulation	The buffer before lyophilization is PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Target Information

Swine natriuretic peptides A, also known as A-type natriuretic peptide (ANP), is a hormone that plays a significant role in regulating blood volume, blood pressure, and electrolyte balance. It is released primarily by the atria of the heart in response to volume expansion or pressure overload, promoting vasodilation, natriuresis, and diuresis to reduce blood volume and cardiac preload.

Protein	Swine Natriuretic Peptides A (NPPA)
Protein Synonym	ANH; ANF; CDD; Atrial Natriuretic Factor; Atrial Natriuretic Hormone; Atriopeptin; Cardionatrine; Cardiodilatin
Gene ID	397496
UniProt ID	P24259

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.

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.