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Recombinant Porcine Vascular Endothelial Growth Factor A (VEGFA), N-His-GST

Cat. No.: AP7F175

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Porcine Vascular Endothelial Growth Factor A (VEGFA), N-His-GST is a recombinant protein expressed fr om *E.coli* expression system. Its predicted molecular weight is 49.2 kDa. The purity is>95% (SDS-PAGE). The endotoxin level is <1 EU/μg (LAL). It can be used as a positive control or as an immunogen.

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	*E.coli*
Purity	>95% (SDS-PAGE)
Endotoxin	<1 EU/μg (LAL)
Predicted Molecular Weight	49.2 kDa
Molecular Weight	49 kDa
Physical State	Lyophilized
Formulation	20 mM Tris, 150 mM NaCl, pH 8.0, containing 0.01% SKL and 5% Trehalose.

Target Information

Vascular endothelial growth factor A is encoded by the *VEGFA* gene in pigs. VEGFA has been identified as a hub gene that is regul ated by non-CpG methylation during testicular development in pigs.

Protein	Porcine Vascular Endothelial Growth Factor A (VEGFA)
Protein Synonym	vascular endothelial growth factor A, VEGF, VPF, vascular permeability factor
Gene ID	397157
UniProt ID	P49151

Shipping and Storage

This product is shipped with dry ice. Avoid repeated freezing and thawing. Store for 4 weeks at 2-8°C, for 12 months at -80°C.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in ddH2O to a concentration of 0.1-0.4 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

Reference

Yang, A. *et al*. FZD7, regulated by non-CpG methylation, plays an important role in immature porcine sertoli cell proliferation. *Intern ational journal of molecular sciences*. 2023, 24: 6179.