

Recombinant Swine Vascular Endothelial Growth Factor Receptor 2 (KDR), N-His-GST

Cat. No.: AP9C821

Product Type: Animal Proteins

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

Product Overview

BioVenic's Recombinant Swine Vascular Endothelial Growth Factor Receptor 2 (KDR), N-His-GST is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 61.1 kDa. The purity is >90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Swine
Expression System	<i>E.coli</i>
Purity	>90% (SDS-PAGE)
Endotoxin	< 1 EU/µg
Predicted Molecular Weight	61.1 kDa
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 vascular endothelial growth factor receptor 2 (KDR), also known as VEGFR2, is a receptor tyrosine kinase that plays a crucial role in angiogenesis and vasculogenesis in swine. It is involved in the regulation of endothelial cell proliferation, migration, and survival, which are essential for the development and maintenance of the vascular system.

Protein	Swine Vascular Endothelial Growth Factor Receptor 2 (KDR)
Protein Synonym	CD309; FLK1; VEGFR; KDR; A Type III Receptor Tyrosine Kinase; Kinase Insert Domain Receptor; Kinase Insert Domain Receptor; Fetal Liver Kinase-1
Gene ID	397311
UniProt ID	K7GNF0

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 $< -80^{\circ}\text{C}$ 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.