

RP03103

Leader in Biomolecular Solutions for Life Science



Recombinant Human EG-VEGF/PK1 Protein

Catalog No.: RP03103

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus- Insect Cells	84432	P58294

Tags

C-His

Synonyms

EG-VEGF; PK1; PRK1

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 90 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Background

EG-VEGF, also known as prokineticin-1, is a member of the AVIT (prokineticin) family. Prokineticins are secreted proteins that can promote angiogenesis and induce strong gastrointestinal smooth muscle contraction. EG-VEGF can be detected in the steroidogenic glands, ovary, testis, adrenal and placenta. EG-VEGF has little or no effect on a variety of other endothelial and non-endothelial cell types. It induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. It directly influences neuroblastoma progression by promoting the proliferation and migration of neuroblastoma cells. EG-VEGF may play a role in placentation. It may also function in normal and pathological testis angiogenesis. It positively regulates PTGS2 expression and prostaglandin synthesis.

Basic Information

Description

Recombinant Human Prokineticin-1/EG-VEGF Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Phe105) of human Prokineticin-1/EG-VEGF (Accession # NP_115790.1) fused with His tag at the C-terminus.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C. Avoid repeated freeze/thaw cycles.

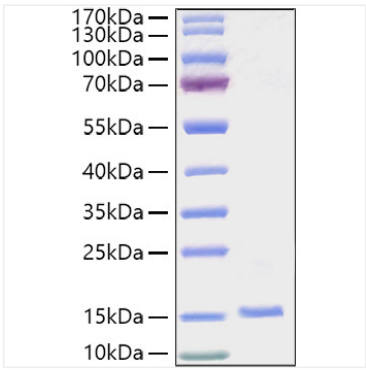
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Contact



www.abclonal.com

Validation Data



Recombinant Human EG-VEGF/PK1
Protein was determined by SDS-
PAGE under reducing conditions with
Coomassie Blue.