

PROK1

Recombinant Human EG-VEGF / Prokineticin-1 (His Tag)

Catalog No.	CRH404A-His CRH404B-His	Quantity:	20 µg 50 µg
Alternate Names:	Prokineticin-1, Endocrine-gland-derived vascular endothelial growth factor, EG-VEGF, Mambakine		
Description:	EG-VEGF, also known as prokineticin-1, is a member of the AVIT 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.		
UniProt ID:	P58294		
Protein Construction:	A DNA sequence encoding the human EG-VEGF (Met 1-Phe105) was expressed, with a C-terminal polyhistidine tag.		
Source:	Baculovirus-Insect Cells		
Formulation:	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 0.02% Tween-80, 10% gly, 1mM DTT Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants		
Molecular Weight:	The secreted recombinant human EG-VEGF consists of 96 amino acids and predicts a molecular mass of 11 KDa. The apparent molecular mass of the protein is approximately 15 Kda in SDS-PAGE under reducing conditions due to glycosylation.		
Purity:	> 89 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Ala 20		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



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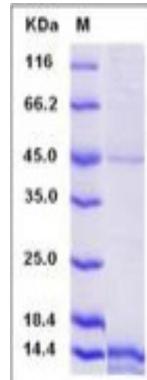
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SDS-PAGE



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