Prokineticin-1/EG-VEGF Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P78016
Synonyms:	Prokineticin-1; EG-VEGF; Mambakine; PROK1
Species:	Mouse
Source:	HEK293
Accession:	Q14A28 (A20-F105)
Gene ID:	246691
Molecular Weight:	38-48 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	Prokineticin-1/EG-VEGF protein exhibits potent contraction of gastrointestinal (GI) smooth muscle and stimulates the proliferation, migration, and fenestration (formation of membrane discontinuities) in capillary endothelial cells. It also promotes proliferation and differentiation of enteric neural crest cells, but does not affect their migration. Furthermore, Prokineticin-1/EG-VEGF directly contributes to neuroblastoma progression by enhancing the proliferation and migration of neuroblastoma cells. It has a positive regulatory effect on PTGS2 expression and prostaglandin synthesis. In addition, Prokineticin-1/EG-VEGF may have a role in placentation and is implicated in both normal and pathological angiogenesis in the testis.

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