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Datasheet for ABIN7318098

Prokineticin 1 Protein (Prok1) (His tag)

Overview

Quantity:	50 µg
Target:	Prokineticin 1 (Prok1)
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prokineticin 1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EG-VEGF/prokineticin-1 Protein (His Tag)
Sequence:	Met 1-Phe105
Characteristics:	A DNA sequence encoding the human EG-VEGF (Met 1-Phe105) (P58294) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 89 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Prokineticin 1 (Prok1)
Alternative Name:	EG-VEGF/prokineticin-1 (Prok1 Products)
Background:	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

Target Details

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.

Synonym: EGVEGF,PK1,PRK1

Molecular Weight: 11 kDa

UniProt: [P58294](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 0.02 % Tween-80, 10 % glycerol, 1 mM DTT 1. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.