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EG VEGF Mouse

Endocrine Gland Vascular Endothelial Growth Factor Mouse Recombinant
GRF0026

Product Overview

Name	EG VEGF Mouse
Description	
Endocrine Gland Vascular Endothelial Growth Factor Mouse Recombinant	
Accession (Primary)	Q14A28
Synonyms	
PK1, Prokineticin 1, EG-VEGF, Prok1, Endocrine-gland-derived vascular endothelial growth factor.	
Introduction	
Endocrine gland-derived vascular endothelial growth factor (EG-VEGF) induces proliferation, migration, and fenestration in capillary endothelial cells derived from endocrine glands. Its expression is induced by hypoxia and is restricted to the steroidogenic glands (ovary, testis, adrenal, and placenta). Its expression is often complementary to the expression of VEGF (MIM 192240), suggesting that these molecules function in a coordinated manner. EG-VEGF potently contracts gastrointestinal (gi) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. Has little or no effect on a variety of other endothelial and non-endothelial cell types.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 µm filtered concentrated solution in PBS pH7.4 and 3% Trehalose.	
Stability	
Lyophilized EG-VEGF Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EG-VEGF should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
AVITGACERD IQCGAGTCCA ISLWLRGLRL CTPLGREGEE CHPGSHKIPF LRKRQHHTCP CSPSLLCSRF	

PDGRYRCFRD LKNANF.

Solubility

It is recommended to reconstitute the lyophilized Endocrine Gland Vascular Endothelial Growth Factor in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

EG VEGF Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q14A28)