Recombinant Human EG-VEGF (PROK1)

Cat No:HR2R1341

For research use only

Overview

Quantity	1.0 ?g
Gene Symbol	PROK1
Gene ID	84432
Accession	P58294
Alternative Name	EGVEGF, Mambakine, Prokineticin-1, PROK1 Recombinant Human Endocrine Gland Vascular Endothelial Growth Factor (PROK1)
Species	Human
Source	E. coli
Description	This factor is identical to prokineticin-1 and is a member of the AVIT protein family. Expression of human EG-VEGF messenger RNA is restricted to the steroidogenic glands, ovary, testis, adrenal and placenta and is often complementary to the expression of VEGF. EG-VEGF has been identified as a mitogen specific for the endothelium of steroidogenic glands. EG-VEGF resembles VEGF in that it causes extensive angiogenesis and cyst formation when delivered in the ovary. EG-VEGF differs from VEGF in that it does not promote angiogenesis in the cornea or skeletal muscle. Two receptors have been characterized and are expressed in gastrointestinal organs, endocrine glands and other tissues. The G-protein-coupled receptors ZAQ and I5E both function as the EG-VEGF receptor.
Functions	Not available.
Formulation	Recombinant EG-VEGF was lyophilized from a 0.2 ?m filtered PBS solution.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	10
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.