HB220318

Recombinant Human Endocrine Gland-derived Vascular Endothelial Growth Factor (Human EG-VEGF)

Product Information

Product Name	Cat#	Size
Recombinant Human Endocrine Gland-derived Vascular Endothelial Growth Factor (Human EG-VEGF)	91504ES08	5μg
	91504ES60	100μg
	91504ES76	500μg

Product Description

EG-VEGF is a secreted angiogenetic mitogen growth factor expressed in the steroidogenic glands, ovary, testis, adrenal gland, and placenta. EG-VEGF induces proliferation, migration, and fenestration (formation of membrane discontinuities) in capillary endothelial cells derived from endocrine glands. The human EG-VEGF gene codes for a 105 amino acid polypeptide containing an N-terminal signal sequence of 19 amino acids. Recombinant Human EG-VEGF is a 9.6 kDa protein consisting of 86 amino acid residues, including ten cysteine residues that potentially form five pairs of intra-molecular disulfide bonds.

Product Properties

Synonyms	Endocrine Gland-derived Vascular Endothelial Growth Factor, Prokineticin 1, PROK1
Accession	P58294
GeneID	84432
Source	E.coli-derived Human EG-VEGF protein,Ala20-Phe105.
Molecular Weight	Approximately 9.7 kDa.
AA Sequence	AVITGACERD VQCGAGTCCA ISLWLRGLRM CTPLGREGEE CHPGSHKVPF FRKRKHHTCP CLPNLLCSRF PDGRYRCSMD LKNINF
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 98% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED_{50} as determined by a cell proliferation assay using bovine EJG cells is less than 2.0 μg/mL, corresponding to a specific activity of > 500 IU/mg.
Endotoxin	< 0.1 EU per 1μg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4, 0.02 % Tween-20.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20℃ to -80℃ for 1 year.
Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycle
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.