HB220520

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

Product Information

Product Name	Cat#	Size
Recombinant Mouse Endocrine Gland-derived Vascular Endothelial Growth Factor (Mouse EG-VEGF)	91509ES08	5 μg
	91509ES60	100 μg
	91509ES76	500 μg

Product Description

Endocrine gland-derived vascular endothelial growth factor (EG-VEGF), also called prokineticin 1 (PK1), is a member of the prokineticin family of secreted proteins that share a common structural motif containing ten conserved cysteine residues that form five pairs of disulfide bonds. The mature region in mouse is 93% and 87% aa identical to the mature regions in rat and human. Mouse EG- VEGF stimulates proliferation and survival of liver sinusoidal endothelial cells, and, in mouse, EG-VEGF acts to induce monocyte migration and stimulate hematopoiesis.

Product Properties

Synonyms	EGVEGF, Mambakine, PROK1, Prokineticin 1
Accession	Q14A28
GeneID	246691
Source	E.coli-derived mouse EG-VEGF protein, Ala20-Phe105.
Molecular Weight	Approximately 9.6 kDa.
AA Sequence	AVITGACERD IQCGAGTCCA ISLWLRGLRL CTPLGREGEE CHPGSHKIPF LRKRQHHTCP CSPSLLCSRF PDGRYRCFRD LKNANF
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	The ED_{50} as Measured in a cell proliferation assay using EJG bovine adrenal-derived endothelial cells. Fully biologically active when compared to standard.
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, pH7.4, with 3% Trehalose.
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℃. 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 cycles.

2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!