Recombinant Murine Endocrine Gland-derived Vascular Endothelial Growth Factor (rMuEG-VEGF)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	125-30
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 9.6 kDa, a single non-glycosylated polypeptide chain containing 86 amino acids.
Quantity:	5μg/20μg/1000μg
AA Sequence:	AVITGACERD IQCGAGTCCA ISLWLRGLRL CTPLGREGEE CHPGSHKIPF LRKRQHHTCP CSPSLLCSRF PDGRYRCFRD LKNANF
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED_{50} as Measured in a cell proliferation assay using EJG bovine adrenal-derived endothelial cells.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH7.4, with 3 % Trehalose.
Endotoxin:	Less than 0.1 EU/μg of rMuEG-VEGF as determined by LAL method.
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:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

Murine Endocrine Gland-derived Vascular Endothelial Growth Factor

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.

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