Bioactive

Vegfa (Mouse) Recombinant Protein

Catalog # P4367 Size 10 ug

Specification

Product Description	Mouse Vegfa (Q00731, 27 a.a. - 190 a.a.) partial recombinant protein expressed in *Escherichia coli* .
Sequence	APTTEGEQKSHEVIKFMDVYQRSYCRPIETLVDIFQEYPDEIEYIFKPSCVPLMRCAGCCNDEALE CVPTSESNITMQIMRIKPHQSQHIGEMSFLQHSRCECRPKKDRTKPENHCEPCSERRKHLFVQDP QTCKCSCKNTDSRCKARQLELNERTCRCDKPRR
Host	Escherichia coli
Theoretical MW (kDa)	28 (non-reducing con
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less th an 0.1 ng/ug (1EU/ug).
Activity	The ED_{50} was determined by the dose-dependent proliferation of human umbilical vein endothelial c ells and was found to be in the range of 2.0-4.0 ng/mL.
Storage Buffer	Lyophilized from PBS, pH 7.0
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C f or 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — Vegfa

Entrez GeneID	22339
Protein Accession#	Q00731
Gene Name	Vegfa
Gene Alias	Vegf, Vegf-a, Vegf120, Vegf164, Vegf188, Vpf
Gene Description	vascular endothelial growth factor A
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000017463|OTTMUSP00000017464|OTTMUSP00000022243|vascular permeability factor

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