Snake Venom Vascular Endothelial Growth Factor Toxin (LOC107291631) Protobothrops Mucrosquamatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Snake venom vascular endothelial growth factor toxin (LOC107291631), Recombinant Protein
Full Product Name	Recombinant Protobothrops mucrosquamatus Snake venom vascular endothelial growth factor toxin
Product Gene Name	LOC107291631 recombinant protein
Sequence	EVMPFMEVYD RSACQTREML VPILKEYPNE VSHLFKPSCV PVLRCGGCCS DESLTCTATG KRSVGREVMR VDPHKGTSKI EVMQFKEHTA CECRPRSPGD VNDGRNPKEG EPRARFPFV
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	15,925 Da
Sequence Positions	25-143, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q330K6
Species	Protobothrops mucrosquamatus (Taiwan habu) (Trimeresurus mucrosquamatus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LOC107291631 recombinant protein	MBS1347534 is a recombinant protein targeting LOC107291631. Also known as Recombinant Protobothrops mucrosquamatus Snake venom vascular endothelial growth factor toxin. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of LOC107291631 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LOC107291631. It may not necessarily be applicable to this product.

NCBI GI #	1002594486
NCBI GeneID	107291631
NCBI Accession #	XP_015676137.1
UniProt Primary Accession #	Q330K6
UniProt Related Accession #	Q330K6

GenBank Nucleotide #	XM_015820651.1
NCBI Official Full Name	snake venom vascular endothelial growth factor toxin
NCBI Official Symbol	LOC107291631
NCBI Official Synonym Symbols	VEGF-F; svVEGF; PM-VEGF
UniProt Protein Name	Snake venom vascular endothelial growth factor toxin
UniProt Synonym Protein Names	PM-VEGF; TM-VEGF; VEGF-F
Protein Family	Snake venom vascular endothelial growth factor toxin
UniProt Gene Name	svVEGF
UniProt Synonym Gene Names	svVEGF
NCBI Protein Information	snake venom vascular endothelial growth factor toxin
UniProt Comments for LOC107291631	Activates the vascular endothelial growth factor receptor-1 (VEGFR-1/FLT1), and consequently promotes the proliferation and tissue factor production of endothelial cells, the neovascularization in the chicken chorioallantoic membrane, and increases vascular permeability. Also stimulates tissue-factor production and human monocyte chemotaxis.
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