Venom Nerve Growth Factor 1 (v-NGF-1) Azemiops Feae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Venom nerve growth factor 1 (v-NGF-1), Recombinant Protein
Full Product Name	Recombinant Azemiops feae Venom nerve growth factor 1
Product Gene Name	v-NGF-1 recombinant protein
Sequence	GTHPVHNQGE YSVCDSVSVW VANKTTATDI RGNLVTVMVD INLNNNVYKQ YFFETKCRNP NPVPSGCRGI DARHWNSYCT TTHTYVRALT KEGNQASWRF IRIDTACVCV ISRITENFG
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	25,024 Da
Sequence Positions	105-223, 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 Q2XXL6
Species	Azemiops feae (Fea's viper)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for v-NGF-1 recombinant protein	MBS1425782 is a recombinant protein targeting v-NGF-1. Also known as Recombinant Azemiops feae Venom nerve growth factor 1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of v-NGF-1 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 v-NGF-1. It may not necessarily be applicable to this product.

NCBI GI #	123898129
NCBI Accession #	Q2XXL6.1
UniProt Primary Accession #	Q2XXL6
NCBI Official Full Name	Venom nerve growth factor 1
UniProt Protein Name	Venom nerve growth factor 1
UniProt Synonym Protein Names	NGF-AZE1
Protein Family	Venom nerve growth factor

UniProt Gene Name	v-NGF-1
UniProt Synonym Gene Names	vNGF-1
UniProt Comments for v-NGF-1	Nerve growth factor is important for the development and maintenance of the sympathetic and sensory nervous systems. It stimulates division and differentiation of sympathetic and embryonic sensory neurons as well as basal forebrain cholinergic neurons in the brain. Its relevance in the snake venom is not clear. However, it has been shown to inhibit metalloproteinase-dependent proteolysis of platelet glycoprotein Ib alpha, suggesting a metalloproteinase inhibition to prevent metalloprotease autodigestion and/or protection against prey proteases ().
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