Brain-Derived Neurotrophic Factor (BDNF) Calabaria Reinhardtii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Brain-derived neurotrophic factor (BDNF), Recombinant Protein
Full Product Name	Recombinant Calabaria reinhardtii Brain-derived neurotrophic factor (BDNF)
Product Gene Name	BDNF recombinant protein
Product Synonym Gene Name	BDNF
Sequence	HSDPARRGEL SVCDSTSEWV TAAEKKTAVD MSGATVTVLE KVPVPKGQLK QYFYETKCSS KGYAKEGCRG IDKRYWNSQC RTTQSYVRAL TMDNKKRVGW RFIRIDTSC
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	24,973 Da
Sequence Positions	115-223, 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 Q1X6Z7
Species	Calabaria reinhardtii (Calabar boa) (Calabar ground python)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BDNF recombinant protein	MBS1427524 is a recombinant protein targeting BDNF. Also known as Recombinant Calabaria reinhardtii Brain-derived neurotrophic factor (BDNF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BDNF 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 BDNF. It may not necessarily be applicable to this product.

NCBI GI #	123890904
NCBI Accession #	Q1X6Z7.1
UniProt Primary Accession #	Q1X6Z7
NCBI Official Full Name	Brain-derived neurotrophic factor
UniProt Protein Name	Brain-derived neurotrophic factor
Protein Family	Brain-derived neurotrophic factor

UniProt Gene Name	BDNF
UniProt Synonym Gene Names	BDNF
UniProt Comments for BDNF	Promotes the survival of neuronal populations that are all located either in the central nervous system or directly connected to it.
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