Trehalose-Phosphatase (Bm1_08695) (Bm1_08695) Brugia Malayi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trehalose-phosphatase (Bm1_08695), Recombinant Protein
Full Product Name	Recombinant Brugia malayi Trehalose-phosphatase (Bm1_08695)
Product Gene Name	Bm1_08695 recombinant protein
Sequence	MTETVTDQGK QRSSKLQKNE AAKDEQVEGK GKETLESGTD KSAEQNSSLL VGQPDVIDND NVQTVDDFKN LMYKMQETRR AIVFALLNEK DLTKDDVEIL KRAYEKLTDN QTHSFQREMC TLTTKLSVNI GDETRGLEKD LKYLDALMNI RREEPNLLWP IIMSRVDLFS ILANYHPKGK ETFLKEYEDT VKFLKTFISS EAITGKKPIF ITDWDGTMKD YCSQYATNLQ PVYSAVGMTR FAASFTRISA VLTAGPLRGP GILDLTAMPI DGPVMFSGSW GREWWLSGKR VVHQDGITDE GFNALQRLDD EMKDLLHTSD YAPFALVGSG VQRKVDRLTL GVQTVCHHVT SELSNRYQMA VKERMHRVDP NSQILVFDPS TELEVEVVAH NSGIIWNKGN GVERLIKSLG DSLQSPGKIL ICGDTLSDIP MVRQAVKQNP DGVLAIFVGA KMSLREEVKQ VIGDESRCCF VSCPDVIHAA MSQILNEHCI GK
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	55,119 Da
Sequence Positions	1-492, 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 A8NS89
Species	Brugia malayi (Filarial nematode worm)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Bm1_08695 recombinant protein	MBS1257346 is a recombinant protein targeting Bm1_08695. Also known as Recombinant Brugia malayi Trehalose-phosphatase (Bm1_08695). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Bm1_08695 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 Bm1_08695. It may not necessarily be applicable to this product.

NCBI GI #	170575365
NCBI GeneID	6096670
NCBI Accession #	XP_001893209.1
UniProt Primary Accession #	A8NS89

UniProt Related Accession #	A8NS89
GenBank Nucleotide #	XM_001893174.1
NCBI Official Full Name	trehalose-6-phosphate synthase
NCBI Official Symbol	Bm1_08695
UniProt Protein Name	Trehalose-phosphatase
UniProt Synonym Protein Names	Trehalose-6-phosphate phosphatase
UniProt Gene Name	Bm1_08695
UniProt Synonym Gene Names	TPP
NCBI Protein Information	trehalose-6-phosphate synthase
UniProt Comments for Bm1_08695	Catalyzes the hydrolysis of trehalose 6-phosphate to trehalose and phosphate; prevents the accumulation of toxic levels of trehalose 6-phosphate.
Research Articles on Bm1_08695	**1.** The conservation of the key residues that enforce the shape of the substrate pocket in T6PP enzymes suggest that development of broad-range anthelmintic and antibacterial therapeutics employing this platform may be possible.
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