Kynureninase 2 (bna5-2) Aspergillus Terreus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Kynureninase 2 (bna5-2), Recombinant Protein
Full Product Name	Recombinant Aspergillus terreus Kynureninase 2 (bna5-2)
Product Gene Name	bna5-2 recombinant protein
Product Synonym Gene Name	bna5-2
Sequence	MSENNCSKPS FPDNAASKEY AASLDAADPL ASFRDQFIIP SKANIACKRL AKPNLSPEPC IYFCGNSLGI QPKATAKYLE AQLDTWSSIG VCGHFTNLED SPMKSWQLLA EQAAESMSKI VGADPAEVAA MGTLTANLHL LMASFYKPTA TKHKILMDWK AFPSDHYAIE SHIAWHNLDP KESMVLIGPD EGEYEISTDK ILSYIDQHAE DAALLLLPGI QYYTGQLFDI PKITEYAKSR NLVVGWDLAH AYGNVELKLH DWNVDFAAWC TYKYGNAGPG AMAGLFVHDK HGQVDYSQGE DSPKFRHRLT GWYGGDRSVR FKMDNKFKPI PGAGGFQISN PSAIDLSCLC AALSVFDQTS VSELRRKSLK LTAYLEYLLL KDTTEDSRPF RIITPTNPEA RGAQLSLLLK PGLLQGVSER LQDAGIICDK REPGVVRVAP VPLYNTYSEV WEFVQQFRAA LQL
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	51,310 Da
Sequence Positions	1-463, 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 Q0CZX6
Species	Aspergillus terreus (strain NIH 2624 / FGSC A1156)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bna5-2 recombinant protein	MBS1343906 is a recombinant protein targeting bna5-2. Also known as Recombinant Aspergillus terreus Kynureninase 2 (bna5-2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bna5-2 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 bna5-2. It may not necessarily be applicable to this product.

NCBI GI #	115492433
NCBI GeneID	4355513
NCBI Accession #	XP_001210844.1
UniProt Primary Accession #	Q0CZX6

UniProt Related Accession #	Q0CZX6
GenBank Nucleotide #	XM_001210844.1
NCBI Official Full Name	conserved hypothetical protein
NCBI Official Symbol	ATEG_00758
UniProt Protein Name	Kynureninase 2
UniProt Synonym Protein Names	Biosynthesis of nicotinic acid protein 5-2
Protein Family	Kynureninase
UniProt Gene Name	bna5-2
NCBI Protein Information	hypothetical protein
UniProt Comments for bna5-2	Catalyzes the cleavage of L-kynurenine (L-Kyn) and L-3-hydroxykynurenine (L-3OHKyn) into anthranilic acid (AA) and 3-hydroxyanthranilic acid (3-OHAA), respectively.
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