Tryptophanase (tnaA) Chromobacterium Violaceum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophanase (tnaA), Recombinant Protein
Full Product Name	Recombinant Chromobacterium violaceum Tryptophanase (tnaA)
Product Gene Name	tnaA recombinant protein
Product Synonym Gene Name	tnaA; CV_1163
Product Synonym Names	Tryptophanase; EC=4.1.99.1; L-tryptophan indole-lyase; TNase
Sequence	MARRIPEPFR IKMVEPIRQT TAEYRRQALQ EAGWNPFLLK AEDVYIDLLT DSGTGAMSDR QWAGLMMGDE AYAGSRNFLR LADTVRELFG YAHTIPTHQG RGAEQILFPE LVKRCRGERP VFLSNYHFDT TKAHVELAGA RAVNALTPRA LDTGAAYDWK GDFDLARLGE IVEAEGENVA AIIVTVTCNS AGGQPVSMAN IRAASALARS KGIPVVIDAA RFAENAWFIR ERDPAYAGVA ISSIVREMFD YGDMFTMSAK KDGLVNIGGL CCFKNDEALF RAVQVRCVPM EGFITYGGLA GRDMEALAIG LKEGLDDAYL SYRIGQVAYL GERLREGGVP IQTPTGGHAV FVDAARLLPH IPAGQFPAHA LACELYLEGG VRAVEIGSLL LGRHPQTGRQ EPSPFELMRL TIPRRVYTND HMDYIADCLI DVKRRAAGVR GLVFDYEPPI LRHFTARLRP A
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	50,790 Da
Sequence Positions	1-461aa; 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 Q7NYV9
Species	Chromobacterium violaceum (strain 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / 9757)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tnaA recombinant protein	MBS1326045 is a recombinant protein targeting tnaA. Also known as Recombinant Chromobacterium violaceum Tryptophanase (tnaA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tnaA 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 tnaA. It may not necessarily be applicable to this product.

NCBI GI #	34496618
NCBI GeneID	2550236
NCBI Accession #	NP_900833.1

UniProt Primary Accession #	Q7NYV9
UniProt Related Accession #	Q7NYV9
GenBank Nucleotide #	NC_005085.1
NCBI Official Full Name	tryptophanase
NCBI Official Symbol	tnaA
UniProt Protein Name	Tryptophanase
UniProt Synonym Protein Names	L-tryptophan indole-lyase
Protein Family	Probable tryptophanase
UniProt Gene Name	tnaA
UniProt Synonym Gene Names	TNase
UniProt Entry Name	TNAA_CHRVO
NCBI Protein Information	tryptophanase
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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