Tryptophan 2,3-Dioxygenase (kynA) Bordetella Parapertussis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tryptophan 2,3-dioxygenase (kynA), Recombinant Protein
Full Product Name	Recombinant Bordetella parapertussis Tryptophan 2,3-dioxygenase (kynA)
Product Gene Name	kynA recombinant protein
Product Synonym Gene Name	kynA
Sequence	MQPTPTQRPE AIVHDEKAQL DFARDMSYGD YLHLDELLGA QRPLSPEHNE MLFIVQHQTS ELWMKLMLHE LRAAIAAIQQ DRLQPAFKML ARVSKILEQL VSAWDVLATM TPPEYSALRP YLAHSSGFQS YQYRQIEYLL GNKNAAMLQP HAHRADLLAQ VRAAFEAPSL YDEALRFLAR SGLAVPAGAL QRDWTQPYRA DDQVEQAWLT VYRQSERYWN QYQLGEKLTD LEDAFRLWRF RHVTTVERII GFKRGTGGTS GVTYLRKMLE VVLFPEIWKL RTDL
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	32,961 Da
Sequence Positions	1-284, 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 Q7W9B7
Species	Bordetella parapertussis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kynA recombinant protein	MBS1306770 is a recombinant protein targeting kynA. Also known as Recombinant Bordetella parapertussis Tryptophan 2,3-dioxygenase (kynA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kynA 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 kynA. It may not necessarily be applicable to this product.

NCBI GI #	499230696
NCBI Accession #	WP_010928236.1
UniProt Primary Accession #	Q7W9B7
GenBank Nucleotide #	WP_010928236.1
NCBI Official Full Name	tryptophan 2,3-dioxygenase

UniProt Protein Name	Tryptophan 2,3-dioxygenase
UniProt Synonym Protein Names	Tryptamin 2,3-dioxygenase
UniProt Gene Name	kynA
UniProt Synonym Gene Names	TDO; TO; TRPO
UniProt Comments for kynA	Heme-dependent dioxygenase that catalyzes the oxidative cleavage of the L-tryptophan (L-Trp) pyrrole ring and converts L-tryptophan to N-formyl-L-kynurenine. Catalyzes the oxidative cleavage of the indole moiety.
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