Rhamnulokinase (rhaB) Escherichia Coli O8 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Rhamnulokinase (rhaB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O8 Rhamnulokinase (rhaB)
Product Gene Name	rhaB recombinant protein
Sequence	MTFRNCVAVD LGASSGRVML ARYQRECRSL TLREIHRFKN GLHSQNGYVT WNVDSLESAI RLGLNKVCEE GIRIDSIGID TWGVDFVLLD QQGQRVGLPV AYRDSRSNGL MAQAQQQLGK RDIYQRSGIQ FLPFNTLYQL RALTEQQPEL IPHIAHALLM PDYFSYRLTG KMNWEYTNAT TTQLVNINSD DWDESLLAWS GANKAWFGRP THPGNVIGHW ICPQGNEIPV VAVASHDTAS AVIASPLNGS RAAYLSSGTW SLMGFESQTP FTNDTALAAN ITNEGGAEGR YRVLKNIMGL WLLQRVLQER QINDLPALIA ATQALPACRF IINPNDDRFI NPEAMCSEIQ AACRETAQPI PESDAELARC IFDSLALLYA DVLHELAQLR GEDFSQLHIV GGGCQNTLLN QLCADACGIR VIAGPVEAST LGNIGIQLMT LDELNNVDDF RQVVSTTANL TTFTPNPDSE IAHYVAQIHS TRQTKELCA
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	54,049 Da
Sequence Positions	1-489, 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 B7M6V6
Species	Escherichia coli O8 (strain IAI1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rhaB recombinant protein	MBS1253337 is a recombinant protein targeting rhaB. Also known as Recombinant Escherichia coli O8 Rhamnulokinase (rhaB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rhaB 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 rhaB. It may not necessarily be applicable to this product.

NCBI GI #	446066263
NCBI Accession #	WP_000144118.1
UniProt Primary Accession #	B7M6V6
GenBank Nucleotide #	WP_000144118.1
NCBI Official Full Name	MULTISPECIES: rhamnulokinase

UniProt Protein Name	Rhamnulokinase
UniProt Synonym Protein Names	ATP:L-rhamnulose phosphotransferase
Protein Family	L-Rhamnulokinase
UniProt Gene Name	rhaB
UniProt Synonym Gene Names	RhaB
UniProt Comments for rhaB	Involved in the catabolism of L-rhamnose (6-deoxy-L-mannose). Catalyzes the transfer of the gamma-phosphate group from ATP to the 1-hydroxyl group of L-rhamnulose to yield L-rhamnulose 1-phosphate.
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