L-Rhamnose Mutarotase (rhaM) Roseobacter Denitrificans Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-rhamnose mutarotase (rhaM), Recombinant Protein
Full Product Name	Recombinant Roseobacter denitrificans L-rhamnose mutarotase (rhaM)
Product Gene Name	rhaM recombinant protein
Product Synonym Gene Name	rhaM; RD1_3076
Product Synonym Names	L-rhamnose mutarotase; EC=5.1.3.n3; Rhamnose 1-epimerase; Type-3 mutarotase
Sequence	MSERYVFRMR LNPGKQAEYQ RRHDEIWPEL VDLLRAAKIS DYSIHLDPDT HVLIGVLIRP QDHGMAALPD HPIMRKWWAH MADIMETGPD DAPIAVPLTP VFHMP
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	12,187 Da
Sequence Positions	1-105aa; 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 Q164K6
Species	Roseobacter denitrificans (strain 33942 / OCh 114) (Erythrobacter sp. (strain OCh 114)) (Roseobacter denitrificans)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rhaM recombinant protein	MBS1427790 is a recombinant protein targeting rhaM. Also known as Recombinant Roseobacter denitrificans L-rhamnose mutarotase (rhaM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rhaM 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 rhaM. It may not necessarily be applicable to this product.

NCBI GI #	110680266
NCBI GeneID	4198702
NCBI Accession #	YP_683273.1
UniProt Primary Accession #	Q164K6
UniProt Related Accession #	Q164K6

GenBank Nucleotide #	NC_008209.1
NCBI Official Full Name	hypothetical protein RD1_3076
NCBI Official Symbol	RD1_3076
UniProt Protein Name	L-rhamnose mutarotase
UniProt Synonym Protein Names	Rhamnose 1-epimerase; Type-3 mutarotase
Protein Family	L-rhamnose mutarotase
UniProt Gene Name	rhaM
UniProt Entry Name	RHAM_ROSDO
NCBI Protein Information	hypothetical protein
UniProt Comments for rhaM	Involved in the anomeric conversion of L-rhamnose.
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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