Fumarate Hydratase Class II 1 (fumC1) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fumarate hydratase class II 1 (fumC1), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Fumarate hydratase class II 1 (fumC1)
Product Gene Name	fumC1 recombinant protein
Product Synonym Gene Name	fumC1
Sequence	MTDTRIERDS MGELAVPATA LYGAQTQRAV NNFPVSGQRM PQAFVRALLL AKAAAARANV SLQQLDAPMG EAIADTCLQL LQEDFMQHFP VDVFQTGSGT SSNMNANEVV ATLASRRLGG KVNPNDHVNC GQSSNDIIPS TIHISAALEI SERLLPALRH LEQTIQSKAG EVHAYVKTGR THLMDAMPVR MSQVLGGWAQ QVRQAGVHIE SVLPALQQLA QGGTAVGTGI NAHPRFAERF SQELNDLTGL AFRPGDDFFA LIGSQDTAVA ASGQLKTLAV TLMKLANDLR WMNSGPLAGL GEIELEALQP GSSIMPGKVN PVIPEATAMV AAQVIGNDAA IAVAGQSGNF ELNVMLPLVA DNLLHSIQLL ANVSRLLADK AIASFKVNQG KLSEALARNP ILVTALNPII GYQKAAEIAK QAYREGRPII DVALENTDLD RARLEVLLDP EKLTAGGL
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	48,696 Da
Sequence Positions	1-458, 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 Q51404
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fumC1 recombinant protein	MBS1427892 is a recombinant protein targeting fumC1. Also known as Recombinant Pseudomonas aeruginosa Fumarate hydratase class II 1 (fumC1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fumC1 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 fumC1. It may not necessarily be applicable to this product.

NCBI GI #	15599666
NCBI GeneID	881033
NCBI Accession #	NP_253160.1
UniProt Primary Accession #	Q51404

UniProt Secondary Accession #	P72168
UniProt Related Accession #	Q51404
GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	fumarate hydratase
NCBI Official Symbol	fumC1
UniProt Protein Name	Fumarate hydratase class II 2
UniProt Synonym Protein Names	Aerobic fumarase 2
Protein Family	Fumarate hydratase
UniProt Gene Name	fumC2
UniProt Synonym Gene Names	Fumarase C 2
NCBI Protein Information	fumarate hydratase
UniProt Comments for fumC1	Involved in the TCA cycle. Catalyzes the stereospecific interconversion of fumarate to L-malate.
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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