Fumarate Hydratase Class II (fumC) Wigglesworthia Glossinidia Brevipalpis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fumarate hydratase class II (fumC), Recombinant Protein
Full Product Name	Recombinant Wigglesworthia glossinidia brevipalpis Fumarate hydratase class II (fumC)
Product Gene Name	fumC recombinant protein
Product Synonym Gene Name	fumC
Sequence	MLINRIEKDT IGEVELPKKC LWGSQTQRSI YNFNISTEKM PYELIHALVQ IKLVAAKVNK DLKLLEEKKA DAIIKASEEI LSGKYKDSFP LVIWQTGSGT QTNMNVNEVI ANIAIKLLGG KYGDYSIIHP NDHVNKSQSS NDVFPTAMHI SAVLSLKKNL LPNLIKLKKS FYDKSILFKD IIKIGRTHLQ DATPLTLGQE VSSWYCMLKK NIKYIKNSIL CISEIALGGT AVGTGLNAHE KYSLKASKLL SEINKHNFIS STNKFESLST CDAIVKVHST LKNLSISIMK ISNDIRWLSS GPRCGIGELI IPENEPGSSI MPGKVNPTQC ESISMICCQV IGNDSAIGIG GLSGNFQLNV FRPMIIYNFL QSVRILSDGI KSFNKKCVIG IKPNIKRIKK FLKESLMLVT SLTPHIGYDK SAKIAKLAHN ENITLKEACL KLNYISESQF DILVRPENMI GNKN
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	51,556 Da
Sequence Positions	1-464, 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 Q8D2L3
Species	Wigglesworthia glossinidia brevipalpis
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fumC recombinant protein	MBS1339018 is a recombinant protein targeting fumC. Also known as Recombinant Wigglesworthia glossinidia brevipalpis Fumarate hydratase class II (fumC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fumC 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 fumC. It may not necessarily be applicable to this product.

NCBI GI #	499382574
NCBI Accession #	WP_011070145.1
UniProt Primary Accession #	Q8D2L3

GenBank Nucleotide #	WP_011070145.1
NCBI Official Full Name	class II fumarate hydratase
UniProt Protein Name	Fumarate hydratase class II
UniProt Synonym Protein Names	Aerobic fumarase
Protein Family	Fumarate hydratase
UniProt Gene Name	fumC
UniProt Synonym Gene Names	Fumarase C
UniProt Comments for fumC	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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