L-Fucose Isomerase (fucI) Escherichia Coli O6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-fucose isomerase (fucI), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6 L-fucose isomerase (fucI)
Product Gene Name	fucI recombinant protein
Product Synonym Gene Name	fucI
Sequence	MKKISLPKIG IRPVIDGRRM GVRESLEEQT MNMAKATAAL LTEKLRHACG ATVECVISDT CIAGMAEAAA CEEKFSSQNV GLTITVTPCW CYGSETIDMD PTRPKAIWGF NGTERPGAVY LAAALAAHSQ KGIPAFSIYG HDVQDADDTS IPADVEEKLL RFARAGLAVA SMKGKSYLSL GGVSMGIAGS IVDHNFFESW LGMKVQAVDM TELRRRIDQK IYDEAELEMA LAWADKNFRY GEDENNKQYQ RNAEQSRAVL RESLLMAMCI RDMMQGNSKL ADIGRVEESL GYNAIAAGFQ GQRHWTDQYP NGDTAEAILN SSFDWNGVRK PFVVATENDS LNGVAMLMGH QLTGTAQVFA DVRTYWSPEA IERVTGHKLD GLAEHGIIHL INSGSAALDG SCKQRDSEGN PTMKPHWEIS QQEADACLAA TEWCPAIHEY FRGGGYSSRF LTEGGVPFTM TRVNIIKGLG PVLQIAEGWS VELPKDVHDI LNKRTNSTWP TTWFAPRLTG KGPFTDVYSV MANWGANHGV LTIGHVGADF ITLASMLRIP VCMHNVEETK VYRPSAWAAH GMDIEGQDYR ACQNYGPLYK R
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	65,006 Da
Sequence Positions	1-591, 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 Q8FEE7
Species	Escherichia coli O6
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fucI recombinant protein	MBS1484464 is a recombinant protein targeting fucI. Also known as Recombinant Escherichia coli O6 L-fucose isomerase (fucI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fucI 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 fucI. It may not necessarily be applicable to this product.

NCBI GI #	446646833
NCBI Accession #	WP_000724179.1

UniProt Primary Accession #	Q8FEE7
GenBank Nucleotide #	WP_000724179.1
NCBI Official Full Name	L-fucose isomerase
UniProt Protein Name	L-fucose isomerase
UniProt Synonym Protein Names	6-deoxy-L-galactose isomerase
Protein Family	L-fucose isomerase
UniProt Gene Name	fucI
UniProt Comments for fucI	Converts the aldose L-fucose into the corresponding ketose L-fuculose.
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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