4-Deoxy-L-Threo-5-Hexosulose-Uronate Ketol-Isomerase (kduI) Bacteroides Fragilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	4-deoxy-L-threo-5-hexosulose-uronate ketol-isomerase (kduI), Recombinant Protein
Full Product Name	Recombinant Bacteroides fragilis 4-deoxy-L-threo-5-hexosulose-uronate ketol-isomerase (kduI)
Product Gene Name	kduI recombinant protein
Product Synonym Gene Name	kduI
Sequence	MKTNYEIRYA AHPEDARSYD TKRIRRDFLI EKVFSADEVN MVYSMYDRMV VGGAMPVKEV LKLEAIDPLK APYFLTRREM GIFNVGGPGV VRAGDTIFQL DYKEALYLGA GDRDVTFEST DAAHPAKFYF NSLAAHRNYP DKKVTKADAV VAEMGTLEGS NHRNINKMLV NQVLPTCQLQ MGMTELAPGS VWNTMPAHVH SRRMEAYFYF EVPEEHAVCH FMGEVDETRH VWMKGDQAVL SPEWSIHSAA ATHNYTFIWG MGGENLDYGD QDFSLITDLK
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	31,795 Da
Sequence Positions	1-280, 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 Q650K4
Species	Bacteroides fragilis (strain YCH46)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kduI recombinant protein	MBS1358155 is a recombinant protein targeting kduI. Also known as Recombinant Bacteroides fragilis 4-deoxy-L-threo-5-hexosulose-uronate ketol-isomerase (kduI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kduI 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 kduI. It may not necessarily be applicable to this product.

NCBI GI #	499515215
NCBI Accession #	WP_011201855.1
UniProt Primary Accession #	Q650K4
GenBank Nucleotide #	WP_011201855.1

NCBI Official Full Name	5-keto-4-deoxyuronate isomerase
UniProt Protein Name	4-deoxy-L-threo-5-hexosulose-uronate ketol-isomerase
UniProt Synonym Protein Names	5-keto-4-deoxyuronate isomerase
Protein Family	4-deoxy-L-threo-5-hexosulose-uronate ketol-isomerase
UniProt Gene Name	kduI
UniProt Comments for kduI	Catalyzes the isomerization of 5-dehydro-4-deoxy-D-glucuronate to 3-deoxy-D-glycero-2,5-hexodiulosonate.
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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