Glutathione-Regulated Potassium-Efflux System Protein Kefc (kefC) Escherichia Coli O139:h28 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutathione-regulated potassium-efflux system protein kefC (kefC), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O139:H28 Glutathione-regulated potassium-efflux system protein kefC (kefC), partial
Product Gene Name	kefC recombinant protein
Sequence	MDSHTLVQAL IYLGSAALIV PIAVRLGLGS VLGYLIAGCI IGPWGLRLVT DAESILHFAE IGVVLMLFII GLELDPQRLW KLRAAVFGGG ALQMVICGGL LGLFCMLLGL RWQVAELIGM TLALSSTAIA MQAMNERNLM VTQMGRSAFA VLLFQDIAAI PLVAMIPLLA TSSASTTMGA FALSALKVAG ALVLVVLLGR YVTRPALRFV ARSGLREVFS AVALFLVFGF GLLLEEVGLS MAMGAFLAGV LLASSEYRHA LESDIEPFKG LLLGLFFIGV GMSIDFGTLL ENPLRIVILL LGFLIIKIAM LWLIARPLQV PNKQRRWFAV LLGQGSEFAF VVFGAAQMAN VLEPEWAKSL TLAVALSMAA TPILLVILNR LEQSSTEEAR EADEIDEEQP RVIIAGFGRF GQITGRLLLS SGVKMVVLDH DPDHIETLRK FGMKVFYGDA TRMDLLESAG AAKAEVLINA IDDPQTNLQL TEMVKEHFPH LQIIARARDV DHYIRLRQAG VEKPERETFE GALKTGRLAL ESLGLGPYEA RERADVFRRF NIQMVEEMAM VENDTKARAA VYKRTSAMLS EIITEDREHL SLIQRHGWQG TEEGKHTGNM ADEPETKPSS
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	67,736 Da
Sequence Positions	1-620
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 A7ZHE0
Species	Escherichia coli O139:H28 (strain E24377A / ETEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kefC recombinant protein	MBS1257848 is a recombinant protein targeting kefC. Also known as Recombinant Escherichia coli O139:H28 Glutathione-regulated potassium-efflux system protein kefC (kefC), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kefC 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 kefC. It may not necessarily be applicable to this product.

NCBI GI #	446299339
NCBI Accession #	WP_000377194.1

UniProt Primary Accession #	A7ZHE0
GenBank Nucleotide #	WP_000377194.1
NCBI Official Full Name	MULTISPECIES: glutathione-regulated potassium-efflux system protein KefC
UniProt Protein Name	Glutathione-regulated potassium-efflux system protein KefC
UniProt Synonym Protein Names	K(+)/H(+) antiporter
Protein Family	Glutathione-regulated potassium-efflux system protein
UniProt Gene Name	kefC
UniProt Comments for kefC	Pore-forming subunit of a potassium efflux system that confers protection against electrophiles. Catalyzes K+/H+ antiport.
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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