Glutathione-Regulated Potassium-Efflux System Ancillary Protein Keff (kefF) Shigella Dysenteriae Serotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutathione-regulated potassium-efflux system ancillary protein kefF (kefF), Recombinant Protein
Full Product Name	Recombinant Shigella dysenteriae serotype 1 Glutathione-regulated potassium-efflux system ancillary protein kefF (kefF)
Product Gene Name	kefF recombinant protein
Product Synonym Gene Name	kefF
Sequence	MILIIYAHPY PHHSHANKRM LEQARTLDGV EIRSLYQLYP DFNIDIAAEQ EALSRADLIV WQHPMQWYSI PPLLKLWIDK VLSHGWAYGH GGTAPRGKHL LWAVTTGGGE SHFEIGAHPG FDVLSQPLQA TAIYCGLNWL PPFAMHCTFI CDDETLEGQA RHYKQRLLEW QEAHHG
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	20,125 Da
Sequence Positions	1-176, Full length
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 Q32K50
Species	Shigella dysenteriae serotype 1 (strain Sd197)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kefF recombinant protein	MBS1398772 is a recombinant protein targeting kefF. Also known as Recombinant Shigella dysenteriae serotype 1 Glutathione-regulated potassium-efflux system ancillary protein kefF (kefF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kefF 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 kefF. It may not necessarily be applicable to this product.

NCBI GI #	446523373
NCBI Accession #	WP_000600719.1
UniProt Primary Accession #	Q32K50
GenBank Nucleotide #	WP_000600719.1

NCBI Official Full Name	glutathione-regulated potassium-efflux system ancillary protein KefF
UniProt Protein Name	Glutathione-regulated potassium-efflux system ancillary protein KefF
UniProt Synonym Protein Names	Quinone oxidoreductase KefF
Protein Family	Glutathione-regulated potassium-efflux system ancillary protein
UniProt Gene Name	kefF
UniProt Comments for kefF	Regulatory subunit of a potassium efflux system that confers protection against electrophiles. Required for full activity of KefC. Shows redox enzymatic activity, but this enzymatic activity is not required for activation of KefC.
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