Potassium-Transporting Atpase C Chain (kdpC) Bacteroides Fragilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Potassium-transporting ATPase C chain (kdpC), Recombinant Protein
Full Product Name	Recombinant Bacteroides fragilis Potassium-transporting ATPase C chain (kdpC)
Product Gene Name	kdpC recombinant protein
Sequence	MKTLLKSIKI TLVFCVFFSV FYILVLWLFA QVAGPNRGNA EVVTLNGKVV GAANVGQTFT EEKYFWGRPS CAGDGYDATS SAGSNKGPTN PEYLAEVEAR IDTFLIHHPY LARKDVPAEM VTASASGLDP DITPQSAYVQ VKRVAQARGM DVEEVRRVVD KAVEKPLLGI FGTEKVNVLK LNIALEELKN R
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	20,935 Da
Sequence Positions	1-191aa; full length protein
3D Structure	ModBase 3D Structure for Q64YU7
Species	Bacteroides fragilis (strain YCH46)
Product Categories/Family for kdpC recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for kdpC recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for kdpC recombinant protein	MBS7017993 is a recombinant protein targeting kdpC. Also known as Recombinant Bacteroides fragilis Potassium-transporting ATPase C chain (kdpC). Host: Cell Free Expression.
Other Notes	Small volumes of kdpC 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 kdpC. It may not necessarily be applicable to this product.

NCBI GI #	492236997
NCBI GeneID	3081642
NCBI Accession #	WP_005784490.1
UniProt Primary Accession #	Q64YU7
UniProt Related Accession #	Q64YU7
GenBank Nucleotide #	WP_005784490.1
NCBI Official Full Name	MULTISPECIES: potassium-transporting ATPase C chain

NCBI Official Symbol	BF0580
UniProt Protein Name	Potassium-transporting ATPase KdpC subunit
UniProt Synonym Protein Names	ATP phosphohydrolase [potassium-transporting] C chain
Protein Family	Potassium-transporting ATPase
UniProt Gene Name	kdpC
UniProt Entry Name	KDPC_BACFR
NCBI Protein Information	K+-transporting ATPase C chain
UniProt Comments for kdpC	Part of the high-affinity ATP-driven potassium transport (or Kdp) system, which catalyzes the hydrolysis of ATP coupled with the electrogenic transport of potassium into the cytoplasm. This subunit acts as a catalytic chaperone that increases the ATP-binding affinity of the ATP-hydrolyzing subunit KdpB by the formation of a transient KdpB/KdpC/ATP ternary complex.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/potassium-transporting-atpase-c-chain-kdpc/7017993