Sodium/Proline Symporter (putP) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sodium/proline symporter (putP), Recombinant Protein
Full Product Name	Recombinant Sodium/proline symporter (putP)
Product Gene Name	putP recombinant protein
Sequence	MAISTPMLVT FIVYIFGMVL IGFIAWRSTK NFDDYILGGR SLGPFVTALS AGASDMSGWL LMGLPGAIFI SGISESWIAI GLTLGAWINW KLVAGRLRVH TEVNNNALTX PDYFTGRFED HHNFHGFRTR VVKHIACILY RHDGALCGIG SRHAQRHFLH
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	17,786 Da
Sequence Positions	1-160aa; full length protein
3D Structure	ModBase 3D Structure for P23723
Species	Klebsiella oxytoca
Product Categories/Family for putP recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for putP recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for putP recombinant protein	MBS7028306 is a recombinant protein targeting putP. Also known as Recombinant Sodium/proline symporter (putP). Host: Cell Free Expression.
Other Notes	Small volumes of putP 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 putP. It may not necessarily be applicable to this product.

NCBI GI #	1172775
NCBI Accession #	P23723.2
UniProt Primary Accession #	P23723
NCBI Official Full Name	Sodium/proline symporter
UniProt Protein Name	Sodium/proline symporter
UniProt Synonym Protein Names	Proline permease
Protein Family	High-affinity proline transporter

UniProt Gene Name	putP
UniProt Entry Name	PUTP_KLEOX
UniProt Comments for putP	Catalyzes the sodium-dependent uptake of extracellular L-proline.
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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