Na (+)/H (+) Antiporter Subunit D1 (mnhD1) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Na (+)/H (+) antiporter subunit D1 (mnhD1), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Na (+)/H (+) antiporter subunit D1, partial
Product Gene Name	mnhD1 recombinant protein
Sequence	MIESNMLVLT LVIPVITAIL LVFIGKRPII KRYVALGGTL LTLVAAIINL ANVVKHGPIR VELGSWKAPY SIVFVLDIFS ALLIITSIII TAIVILYSYQ TIGIERERYY YYFSVLFMLI GIIGAFTTGD IFNLFVFFEV FLMSSYFLLV IGSTKIQLQE TIKYVLVNVV SSSFFVMGVA ILYSVVGTLN LADISNKLAN LSAHDSGLVN IVFILFIFVF ATKAGVFPMF VWLPSAYYAP PIPIIAFFGA LLTKVGVYAI ARTLSLFFSD NVSFSHYVIL FLALLTIIFG CVGAVAYANI KKIILYNVMI AVGVILVGVA MMTESGMIGA IYYTLHDMLV KLALFLLIGI MIKITGTADL RQFGGLIKRY PVLGWSFFIA ALSLAGIPPL SGFYGKFFIV QSTFERGFYL SGVIVLLSSL VVLYSVIRIF LQGFFGQPKG YDLNNKVDVK YLTTIAIVAV VITVLYGLSA DYLYPMVKAG AETFYNPSTY VKAVLGGK
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	54,756 Da
Sequence Positions	1-498
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 P60686
Species	Staphylococcus aureus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mnhD1 recombinant protein	MBS1254308 is a recombinant protein targeting mnhD1. Also known as Recombinant Staphylococcus aureus Na (+)/H (+) antiporter subunit D1, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mnhD1 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 mnhD1. It may not necessarily be applicable to this product.

NCBI GI #	446495223
NCBI Accession #	WP_000573077.1
UniProt Primary Accession #	P60686
UniProt Secondary Accession #	Q0Q2K4; Q9ZNG3
GenBank Nucleotide #	WP_000573077.1

NCBI Official Full Name	MULTISPECIES: Na+/H+ antiporter subunit D
UniProt Protein Name	Na(+)/H(+) antiporter subunit D1
UniProt Synonym Protein Names	Mnh complex subunit D1; Mrp complex subunit D1
Protein Family	Na(+)/H(+) antiporter
UniProt Gene Name	mnhD1
UniProt Synonym Gene Names	mrpD1
UniProt Comments for mnhD1	Mnh complex is a Na+Li+/H+ antiporter involved in Na+ and/or Li+ excretion. Na+/H+ antiport consumes a transmembrane electrical potential, and is thus inferred to be electrogenic. Does not transport K+, Ca2+ or Mg2+.
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