H (+)/Cl (-) Exchange Transporter Clca (clcA) Salmonella Gallinarum Recombinant Protein

PRODUCT OVERVIEW

Product Name	H (+)/Cl (-) exchange transporter ClcA, Recombinant Protein
Full Product Name	Recombinant Salmonella gallinarum H (+)/Cl (-) exchange transporter ClcA, partial
Product Gene Name	clcA recombinant protein
Sequence	MKTDTSTFLA QQIVRLRRRD QIRRLMQRDK TPLAILFMAA VVGTLTGLVG VAFEKAVSWV QNMRIGALVQ VADHAFLLWP LAFILSALLA MVGYFLVRKF APEAGGSGIP EIEGALEELR PVRWWRVLPV KFIGGMGTLG AGMVLGREGP TVQIGGNLGR MVLDVFRMRS AEARHTLLAT GAAAGLSAAF NAPLAGILFI IEEMRPQFRY NLISIKAVFT GVIMSSIVFR IFNGEAPIIE VGKLSDAPVN TLWLYLILGI IFGCVGPVFN SLVLRTQDMF QRFHGGEIKK WVLMGGAIGG LCGILGLIEP EAAGGGFNLI PIAAAGNFSV GLLLFIFIAR VVTTLLCFSS GAPGGIFAPM LALGTLLGTA FGMAAAVLFP QYHLEAGTFA IAGMGALMAA SVRAPLTGIV LVLEMTDNYQ LILPMIITCL GATLLAQFLG GKPLYSTILA RTLAKQDAEQ AAKSQNAPAG ENT
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	50,366 Da
Sequence Positions	1-473
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 B5RHE1
Species	Salmonella gallinarum (strain 287/91 / 13346)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for clcA recombinant protein	MBS1259764 is a recombinant protein targeting clcA. Also known as Recombinant Salmonella gallinarum H (+)/Cl (-) exchange transporter ClcA, partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of clcA 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 clcA. It may not necessarily be applicable to this product.

NCBI GI #	446768173
NCBI Accession #	WP_000845429.1
UniProt Primary Accession #	B5RHE1
GenBank Nucleotide #	WP_000845429.1
NCBI Official Full Name	ClC family H(+)/Cl(-) exchange transporter

UniProt Protein Name	H(+)/Cl(-) exchange transporter ClcA
Protein Family	Chloride channel protein
UniProt Gene Name	clcA
UniProt Comments for clcA	Proton-coupled chloride transporter. Functions as antiport system and exchanges two chloride ions for 1 proton. Probably acts as an electrical shunt for an outwardly-directed proton pump that is linked to amino acid decarboxylation, as part of the extreme acid resistance (XAR) response.
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