# Voltage-Gated Clc-Type Chloride Channel Clcb (clcB) Escherichia Coli O8 Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Voltage-gated ClC-type chloride channel ClcB (clcB), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia coli O8 Voltage-gated ClC-type chloride channel ClcB (clcB), partial |
| **Product Gene Name** | clcB recombinant protein |
| **Sequence** | MFRRLLIATV VGILAAFAVA GFRHAMLLLE WLFLNNDSGS LVNAATNLSP WRRLLTPALG GLAAGLLLMG WQKFTQQRPH APTDYMEALQ TDGQFDYAAS LVKSLASLLV VTSGSAIGRE GAMILLAALA ASCFAQRFTP RQEWKLWIAC GAAAGMAAAY RAPLAGSLFI AEVLFGTMML ASLGPVIISA VVALLVSNLI NHSDALLYNV QLSVTVQARD YALIISTGVL AGLCGPLLLT LMNACHRGFV SLKLAPPWQL ALGGLIVGLL SLFTPAVWGN GYSTVQSFLT APPLLMIIAG IFLCKLCAVL ASSGSGAPGG VFTPTLFIGL AIGMLYGRSL GLWFPDGEEI TLLLGLTGMA TLLAATTHAP IMSTLMICEM TGEYQLLPGL LIACVIASVI SRTLHRDSIY RQHTAQHS |
| **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** | 44,172 Da |
| **Sequence Positions** | 1-418 |
| **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 B7LZY4 |
| **Species** | Escherichia coli O8 (strain IAI1) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for clcB recombinant protein** | MBS1218240 is a recombinant protein targeting clcB. Also known as Recombinant Escherichia coli O8 Voltage-gated ClC-type chloride channel ClcB (clcB), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of clcB 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 clcB. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 226706429 |
| **NCBI Accession #** | B7LZY4.1 |
| **UniProt Primary Accession #** | B7LZY4 |
| **NCBI Official Full Name** | Voltage-gated ClC-type chloride channel ClcB |

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| **UniProt Protein Name** | Voltage-gated ClC-type chloride channel ClcB |
| **Protein Family** | Chloride channel protein |
| **UniProt Gene Name** | clcB |
| **UniProt Comments for clcB** | 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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