Cell Volume Regulation Protein A Homolog (cvrA) Shewanella Baltica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cell volume regulation protein A homolog (cvrA), Recombinant Protein
Full Product Name	Recombinant Shewanella baltica Cell volume regulation protein A homolog (cvrA), partial
Product Gene Name	cvrA recombinant protein
Sequence	MDANSINSFF LIGALLTAVS VLLSPMSSRL GIPILLIFLA VGILAGEDGP GGILFDDYST AYLVSNLALA IILLDGGMRT RVASFRVALW PALSLATFGV AITTSITGMM AAWLFDLHWL QGLLVGAIVG STDAAAVFSL LKGRSLNERV GATLEIESGS NDPMAVFLTV TLIAILANVD TEMSFSFMFI SFIKQFGLGI CLGLGGGWML WKLVNLSKLA DGLYSILVLS GGLIIYAASN KLGGSGILSI YLVGLFLGNK PTRGRHAILN VLDGMTWVSQ IGMFLVLGLL LTPSDLVDIL IPGFALAFGM ILFARPVAVW ISLLPFKSFS SRDRWFISWV GLRGAVPIIL AVFPMMAGLP GAQLYFNLAF FVVLVSLLVQ GASLTTAARL AKVELPPKPL PVSRSGVEIY PSSEWEVFVY RLSESKWCIG EPLKRLAMPD GTRIAAVFRD DTLLHPSGST RLEAGDILCV LGQEKSLEAL SNLFSQAPEN KEVQRFFGDF FIETDVKLAD LAPIYGLSLD NLADDMTVAD LVVLQLGANP VLGDQFQWQS LHWVVAGLYE GKVTNVGIRL PTEHSL
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	61,984 Da
Sequence Positions	1-576
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 A9L2N8
Species	Shewanella baltica (strain OS195)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cvrA recombinant protein	MBS1228123 is a recombinant protein targeting cvrA. Also known as Recombinant Shewanella baltica Cell volume regulation protein A homolog (cvrA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cvrA 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 cvrA. It may not necessarily be applicable to this product.

NCBI GI #	501151936
NCBI Accession #	WP_012196741.1
UniProt Primary Accession #	A9L2N8

GenBank Nucleotide #	WP_012196741.1
NCBI Official Full Name	K+/H+ antiporter NhaP2
UniProt Protein Name	K(+)/H(+) antiporter NhaP2
UniProt Synonym Protein Names	Potassium/proton antiporter NhaP2
UniProt Gene Name	nhaP2
UniProt Comments for cvrA	K+/H+ antiporter that extrudes potassium in exchange for external protons and maintains the internal concentration of potassium under toxic levels.
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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