Carbon Storage Regulator Homolog (csrA) Vibrio Fischeri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carbon storage regulator homolog (csrA), Recombinant Protein
Full Product Name	Recombinant Vibrio fischeri Carbon storage regulator homolog (csrA)
Product Gene Name	csrA recombinant protein
Product Synonym Gene Name	csrA
Sequence	MLILTRRVGE TLMIGDEVTV TVLGVKGNQV RIGVNAPKEV SVHREEIYMR IQAEKGTPAA SQGNF
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	7,109 Da
Sequence Positions	1-65, Full length protein
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 Q5E7G3
Species	Vibrio fischeri (strain 700601 / ES114)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for csrA recombinant protein	MBS1388787 is a recombinant protein targeting csrA. Also known as Recombinant Vibrio fischeri Carbon storage regulator homolog (csrA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of csrA 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 csrA. It may not necessarily be applicable to this product.

NCBI GI #	491560191
NCBI Accession #	WP_005417777.1
UniProt Primary Accession #	Q5E7G3
GenBank Nucleotide #	WP_005417777.1
NCBI Official Full Name	MULTISPECIES: carbon storage regulator
UniProt Protein Name	Translational regulator CsrA
UniProt Synonym Protein Names	Carbon storage regulator

Protein Family	Carbon storage regulator
UniProt Gene Name	csrA
UniProt Comments for csrA	A key translational regulator that binds mRNA to regulate translation initiation and/or mRNA stability. Mediates global changes in gene expression, shifting from rapid growth to stress survival by linking envelope stress, the stringent response and the catabolite repression systems. Usually binds in the 5'-UTR; binding at or near the Shine-Dalgarno sequence prevents ribosome-binding, repressing translation, binding elsewhere in the 5'-UTR can activate translation and/or stabilize the mRNA. Its function is antagonized by small RNA(s).
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