Adaptive-Response Sensory-Kinase Sasa (sasA) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adaptive-response sensory-kinase sasA (sasA), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus Adaptive-response sensory-kinase sasA (sasA)
Product Gene Name	sasA recombinant protein
Product Synonym Gene Name	sasA
Sequence	MDGVKANQRQ QLQLLLVAAR HQLSRSDLRS MIQFLENEDC GFNVTLQMAD PSEQPELLEL HRLVATPALI KLSPTPKQVF AGSSIFQQLQ NWITRWQQDI VVTGLGLSLR PTELDGSRTQ RELQLEDQLL VLRQENETLI DRLNAQERTL RMVAHELRTP LTAAVLALQS QQLGQINIEH FQDVVKRRLD EIELLSKDLL EVKSTKWEDL FNPQNLDLGN IAAEAILELE KLWLDRNIEI RTDIPSDLPK VFADQRRMRQ VLLNLLENAL KFTEDGGEVS LTMLHRTSHW VQVSICDNGP GIPEDEQERI FLDRVRLPQT SVSTSGFGVG LSVCRRIVEV HGGKIWVVSE PDKGACFYLT VPVWQRNGQE
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	42,224 Da
Sequence Positions	1-370, 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 Q7V6P7
Species	Prochlorococcus marinus (strain MIT 9313)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sasA recombinant protein	MBS1316710 is a recombinant protein targeting sasA. Also known as Recombinant Prochlorococcus marinus Adaptive-response sensory-kinase sasA (sasA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sasA 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 sasA. It may not necessarily be applicable to this product.

NCBI GI #	499443007
NCBI Accession #	WP_011130471.1
UniProt Primary Accession #	Q7V6P7

GenBank Nucleotide #	WP_011130471.1
NCBI Official Full Name	adaptive-response sensory-kinase SasA
UniProt Protein Name	Adaptive-response sensory-kinase SasA
Protein Family	Adaptive-response sensory-kinase
UniProt Gene Name	sasA
UniProt Comments for sasA	May be involved in signal transduction. Participates in the KaiABC clock protein complex, which constitutes the main circadian regulator in cyanobacteria, via its interaction with KaiC. Required for robustness of the circadian rhythm of gene expression and is involved in clock outputs.
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