Protein DCS2 (DCS2) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein DCS2 (DCS2), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Protein DCS2 (DCS2)
Product Gene Name	DCS2 recombinant protein
Product Synonym Gene Name	DCS2
Sequence	GSQDLASLIG RFKYVRVLDS NPHTKVISLL GSIDGKDAVL TAEKTHFIFD ETVRRPSQSG RSTPIFFHRE IDEYSFLNGI TDLKELTSND IYYWGLSVLK QHILHNPTAK VNLIWPASQF HIKGYDQQDL HVVRETPDMY RNIVVPFIQE MCTSERMKWV NNILYEGAED DRVVYKEYSS RNKEDGFVIL PDMKWDGINI DSLYLVAIVY RDDIKSLRDL NPNHRDWLIR LNKKIKTIIP QHYDYNVNPD ELRVFIHYQP SYYHFHVHIV NIRHPGVGEE RGSGMTILLE DVIEALGFLG PEGYMKKTLT YVIGENHDLW KKGFKEEVEK QLKHDGIATS PEKGSGFNTN LG
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	40,941 Da
Sequence Positions	2-353, 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 Q12123
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for DCS2 recombinant protein	MBS1330211 is a recombinant protein targeting DCS2. Also known as Recombinant Saccharomyces cerevisiae Protein DCS2 (DCS2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of DCS2 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 DCS2. It may not necessarily be applicable to this product.

NCBI GI #	116006500
NCBI GeneID	854344
NCBI Accession #	NP_014816.2
UniProt Primary Accession #	Q12123
UniProt Secondary Accession #	D6W2M9

UniProt Related Accession #	Q12123
GenBank Nucleotide #	NM_001183592.1
NCBI Official Full Name	5'-(N(7)-methyl 5'-triphosphoguanosine)-(mRNA) diphosphatase
NCBI Official Symbol	DCS2
UniProt Protein Name	Inactive diphosphatase DCS2
UniProt Synonym Protein Names	Histidine triad protein; Protein Dcs2p
Protein Family	Inactive diphosphatase
UniProt Gene Name	DCS2
NCBI Protein Information	5'-(N(7)-methyl 5'-triphosphoguanosine)-(mRNA) diphosphatase
UniProt Comments for DCS2	Plays a role in the cleavage of a residual cap structure following the degradation of mRNAs by the 3'->5' exosome-mediated mRNA decay pathway. Stress-induced regulatory protein that modulates the m7GpppX diphosphatase activity of DCS1.
Research Articles on DCS2	**1.** Results suggest that Dcs2 is a novel type of stress-induced regulatory protein that modulates m(7)GpppX pyrophosphatase activity.
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