Cysteine Synthase 2 (cys12) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cysteine synthase 2 (cys12), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Cysteine synthase 2 (cys12)
Product Gene Name	cys12 recombinant protein
Sequence	MAKKYQDLAS GIAMGAVFMY LLRRLYESLR VKSSADSLEE DIVNGVEGLI GNTKMVRIKS LSQATGCDIL AKAEFLNPGN SPKDRVALQM IRTAEENGDL VPYQSNAVYE GTAGSTGISI AMLCCSLGYD SRIYMPSDQS KEKSDILELL GAHVQRVTPA PIVDPNHFVN TARRNAANHT VDESIPGKGY FANQFENPAN WQAHFNSTGP EIWRQCAGKL DAFIAGSGTG GTIAGISRYL KSKDPSITVC LADPPGSGLY HKVLHGVMFD LAEREGTRRR HQVDTIVEGV GINRMTRNFS IAEPLIDMAY RVTDEQAVAM SRYLVTHDGL FVGSSSAVNC VAAVRLAKKL GPGHRIVTLL CDPGSRHFSK LYNEEFLRKK NIVPQVPSSL DFVEA
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	43,086 Da
Sequence Positions	1-395, Full length
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 P87131
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for cys12 recombinant protein	MBS1264558 is a recombinant protein targeting cys12. Also known as Recombinant Schizosaccharomyces pombe Cysteine synthase 2 (cys12). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of cys12 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 cys12. It may not necessarily be applicable to this product.

NCBI GI #	19114255
NCBI GeneID	2542583
NCBI Accession #	NP_593343.1
UniProt Primary Accession #	P87131
GenBank Nucleotide #	NM_001018775.2

NCBI Official Full Name	cysteine synthase Cys12
NCBI Official Symbol	cys12
UniProt Protein Name	Cysteine synthase 2
UniProt Synonym Protein Names	Cysteine synthase-like protein
Protein Family	Cysteine synthase
UniProt Gene Name	cys12
UniProt Synonym Gene Names	; CSl; OAS-TL 2
NCBI Protein Information	cysteine synthase Cys12
UniProt Comments for cys12	Putative cysteine synthase that catalyzes the conversion of O-acetyl-L-serine (OAS) into cysteine, the last step in the cysteine biosynthesis pathway. However, in contrast to cysteine synthase cys11, this CS-like protein seems not to function in cysteine biosynthesis, at least under normal growth conditions, although the transcript is produced.
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