S-Methyl-5'-Thioadenosine Phosphorylase (CNA01530) Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-methyl-5'-thioadenosine phosphorylase (CNA01530), Recombinant Protein
Full Product Name	Recombinant Cryptococcus neoformans var. neoformans serotype D S-methyl-5'-thioadenosine phosphorylase (CNA01530)
Product Gene Name	CNA01530 recombinant protein
Product Synonym Names	S-methyl-5'-thioadenosine phosphorylase; EC=2.4.2.28; 5'-methylthioadenosine phosphorylase; MTA phosphorylase; MTAP; MTAPase
Sequence	MENNEKVLVG CIGGSGLYHL DNLTFVKTVH IETPWGKPSS PINISSLPSG ALVAFISRHG SHHSITPSEV PCRANIAALK HIGCEAIIAF SAVGSLREEI APGHFIIPDQ IIDRTKGIRE DTFFRGEGLV VHSMFGEPFS QKLNAFVAPR VEKILKETGD VVLHTGKTVV CMEGPAFSTR AESLMYRQWG GDIINMSVIP EAKLAREAEL DYTLICTSTD FDAWRTGYDP VTVEEVVKVL HTNAGNSRAV AAGILQDVHD VVVEGKTLTD IKGSMKFACV TRKDIQPEAS RKKLSYILPY FSD
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	33,121 Da
Sequence Positions	1-303aa; 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 Q5KPU2
Species	Cryptococcus neoformans var. neoformans serotype D (strain JEC21 / MYA-565) (Filobasidiella neoformans)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CNA01530 recombinant protein	MBS1349968 is a recombinant protein targeting CNA01530. Also known as Recombinant Cryptococcus neoformans var. neoformans serotype D S-methyl-5'-thioadenosine phosphorylase (CNA01530). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CNA01530 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 CNA01530. It may not necessarily be applicable to this product.

NCBI GI #	58258427
NCBI GeneID	3253655

NCBI Accession #	XP_566626.1
UniProt Primary Accession #	Q5KPU2
UniProt Secondary Accession #	Q560U2
UniProt Related Accession #	Q5KPU2
GenBank Nucleotide #	XM_566626.1
NCBI Official Full Name	glutamate biosynthesis-related protein
NCBI Official Symbol	CNA01530
UniProt Protein Name	S-methyl-5'-thioadenosine phosphorylase
UniProt Synonym Protein Names	5'-methylthioadenosine phosphorylase
UniProt Gene Name	CNA01530
UniProt Synonym Gene Names	MTAPase
UniProt Entry Name	MTAP_CRYNJ
NCBI Protein Information	glutamate biosynthesis-related protein
UniProt Comments for CNA01530	Catalyzes the reversible phosphorylation of S-methyl-5'-thioadenosine (MTA) to adenine and 5-methylthioribose-1-phosphate. Involved in the breakdown of MTA, a major by-product of polyamine biosynthesis. Responsible for the first step in the methionine salvage pathway after MTA has been generated from S-adenosylmethionine. Has broad substrate specificity with 6-aminopurine nucleosides as preferred substrates.
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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