Phosphopantothenate--Cysteine Ligase (PPCS) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phosphopantothenate--cysteine ligase (Ppcs), Recombinant Protein
Full Product Name	Recombinant Mouse Phosphopantothenate--cysteine ligase (Ppcs)
Product Gene Name	Ppcs recombinant protein
Product Synonym Gene Name	Ppcs
Sequence	AEMDLVAELP RPAGAARWAE VMARFAARLG EQGRRVVLIT SGGTKVPLEA RAVRFLDNFS SGRRGAASAE VFLAAGYGVL FLYRARSAFP YAHRFPPQAW LSALRPSGPA QSGKLSLEAE ENALPGFAAA LQSYQEAAAA GTFLAVEFTT LADYLHLLQA AALALSPLGS SAMFYLAAAV SDFYIPVSEM PEHKIHSSGG PLQITMKMVP KMLSPLVKDW APKAFVVSFK LETDPDIIIS RARNALEVYQ HQVVVANILE SIKSFVIIVT KDSETELLLS EEEVAKGLVI EEKIVDDLRS RHTAFICDKN
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	15,544 Da
Sequence Positions	2-311, 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 Q8VDG5
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ppcs recombinant protein	MBS1417147 is a recombinant protein targeting Ppcs. Also known as Recombinant Mouse Phosphopantothenate--cysteine ligase (Ppcs). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ppcs 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 Ppcs. It may not necessarily be applicable to this product.

NCBI GI #	76096364
NCBI GeneID	106564
NCBI Accession #	NP_080770.2
UniProt Primary Accession #	Q8VDG5
UniProt Secondary Accession #	Q3TVW0; Q9D376; Q9DA06

UniProt Related Accession #	Q8VDG5
GenBank Nucleotide #	NM_026494.4
NCBI Official Full Name	phosphopantothenate--cysteine ligase isoform 1
NCBI Official Synonym Full Names	phosphopantothenoylcysteine synthetase
NCBI Official Symbol	Ppcs
NCBI Official Synonym Symbols	AI413471; AI790434; 6330579B17Rik
UniProt Protein Name	Phosphopantothenate--cysteine ligase
UniProt Synonym Protein Names	Phosphopantothenoylcysteine synthetase; PPC synthetase
Protein Family	Phosphopantothenate--cysteine ligase
UniProt Gene Name	Ppcs
UniProt Synonym Gene Names	Coab; PPC synthetase
NCBI Protein Information	phosphopantothenate--cysteine ligase
UniProt Comments for Ppcs	Catalyzes the first step in the biosynthesis of coenzyme A from vitamin B5, where cysteine is conjugated to 4'-phosphopantothenate to form 4-phosphopantothenoylcysteine.
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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