Bifunctional Coenzyme A Synthase (COASY) Pig Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bifunctional coenzyme A synthase (COASY), Recombinant Protein
Full Product Name	Recombinant Pig Bifunctional coenzyme A synthase (COASY), partial
Product Gene Name	COASY recombinant protein
Product Synonym Gene Name	COASY
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	61,749 Da
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 Q8MIR4
Species	Sus scrofa (Pig)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for COASY recombinant protein	MBS1479093 is a recombinant protein targeting COASY. Also known as Recombinant Pig Bifunctional coenzyme A synthase (COASY), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of COASY 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 COASY. It may not necessarily be applicable to this product.

NCBI GI #	47523266
NCBI GeneID	396688
NCBI Accession #	NP_998954.1
UniProt Primary Accession #	Q8MIR4
UniProt Related Accession #	Q8MIR4
GenBank Nucleotide #	NM_213789.1
NCBI Official Full Name	bifunctional coenzyme A synthase
NCBI Official Symbol	COASY
NCBI Official Synonym Symbols	PPAT/DPCK

UniProt Protein Name	Bifunctional coenzyme A synthase
UniProt Synonym Protein Names	NBP; POV-2Including the following 2 domains:Phosphopantetheine adenylyltransferase (EC:2.7.7.3)Alternative name(s):Dephospho-CoA pyrophosphorylase; Pantetheine-phosphate adenylyltransferase; PPAT
Protein Family	Bifunctional coenzyme A synthase
UniProt Gene Name	COASY
UniProt Synonym Gene Names	CoA synthase; PPAT; DPCK; DPCOAK
NCBI Protein Information	bifunctional coenzyme A synthase
UniProt Comments for COASY	Bifunctional enzyme that catalyzes the fourth and fifth sequential steps of CoA biosynthetic pathway. The fourth reaction is catalyzed by the phosphopantetheine adenylyltransferase, coded by the coaD domain; the fifth reaction is catalyzed by the dephospho-CoA kinase, coded by the coaE domain. May act as a point of CoA biosynthesis regulation.
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