Phenylacetate-Coenzyme A Ligase (paaK) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phenylacetate-coenzyme A ligase (paaK), Recombinant Protein
Full Product Name	Recombinant Phenylacetate-coenzyme A ligase (paaK)
Product Gene Name	paaK recombinant protein
Product Synonym Gene Name	paaK; pacD
Product Synonym Names	Phenylacetate-coenzyme A ligase; EC=6.2.1.30; Phenylacetyl-CoA ligase; PA-CoA ligase
Sequence	MPVKTPSPGD LEPIEKASQD ELRALQLERL KWSVRHAYEN VPHYRKAFDA KGVHPDDLKS LADLAKFPFT AKGDLRDNYP FGMFAVPREK VARVHASSGT TGKPTVVGYT LKDIDTWATV VARSIRASGG RAGDMVHIAY GYGLFTGGLG AHYGAEKLGC TVVPMSGGQT EKQIQLIQDF KPDIIMVTPS YMLTVLDEME RMGIDPHQTS LKVGIFGAEP WTQAMRAAME ARAGIDAVDI YGLSEVMGPG VANECIEAKD GPVIWEDHFY PEIIDPHTGE VLPDGSEGEL VFTTLTKEAM PVIRYRTRDL TRLLPPTARS MRRMAKITGR SDDMLIIRGV NLFPTQVEEL ICKNPKLAPQ YLLEVDKDGH MDTLTVKVEI NPEANVGRHP EQKEALAKEL QHDIKTFIGV SAKVHVCEPF AIERVTIGKA KRVVDRRPKE
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	48,735 Da
Sequence Positions	1-440aa; 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 Q9L9C1
Species	Azoarcus evansii
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for paaK recombinant protein	MBS1279347 is a recombinant protein targeting paaK. Also known as Recombinant Phenylacetate-coenzyme A ligase (paaK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of paaK 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 paaK. It may not necessarily be applicable to this product.

NCBI GI #	75417222
NCBI Accession #	Q9L9C1.1
UniProt Primary Accession #	Q9L9C1

NCBI Official Full Name	Phenylacetate-coenzyme A ligase
UniProt Protein Name	Phenylacetate-coenzyme A ligase
UniProt Synonym Protein Names	Phenylacetyl-CoA ligase; PA-CoA ligase
Protein Family	Phenylacetate-coenzyme A ligase
UniProt Gene Name	paaK
UniProt Synonym Gene Names	pacD; PA-CoA ligase
UniProt Entry Name	PAAK_AZOEV
UniProt Comments for paaK	Catalyzes the activation of phenylacetic acid (PA) to phenylacetyl-CoA (PA-CoA). Involved in the phenylalanine metabolism.
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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