Phenylalanine Ammonia-Lyase 2 (PAL2), Partial (PAL2) Cicer Arietinum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Phenylalanine ammonia-lyase 2 (PAL2), partial, Recombinant Protein
Full Product Name	Recombinant Cicer arietinum Phenylalanine ammonia-lyase 2 (PAL2), partial
Product Gene Name	PAL2 recombinant protein
Product Synonym Names	Phenylalanine ammonia-lyase 2; EC=4.3.1.24
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	78,301 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 Q9SMK9
Species	Cicer arietinum (Chickpea) (Garbanzo)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PAL2 recombinant protein	MBS1339995 is a recombinant protein targeting PAL2. Also known as Recombinant Cicer arietinum Phenylalanine ammonia-lyase 2 (PAL2), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PAL2 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 PAL2. It may not necessarily be applicable to this product.

NCBI GI #	525313674
NCBI GeneID	101509831
NCBI Accession #	NP_001266106.1
UniProt Primary Accession #	Q9SMK9
UniProt Related Accession #	Q9SMK9
GenBank Nucleotide #	NM_001279177.1
NCBI Official Full Name	phenylalanine ammonia-lyase 2
NCBI Official Symbol	LOC101509831

NCBI Official Synonym Symbols	pal; PAL2
UniProt Protein Name	Phenylalanine ammonia-lyase 2
Protein Family	Peptidyl-alpha-hydroxyglycine alpha-amidating lyase
UniProt Gene Name	PAL2
UniProt Entry Name	PAL2_CICAR
NCBI Protein Information	phenylalanine ammonia-lyase 2; Phenylalanine ammonia-lyase 2
UniProt Comments for PAL2	This is a key enzyme of plant metabolism catalyzing the first reaction in the biosynthesis from L-phenylalanine of a wide variety of natural products based on the phenylpropane skeleton.
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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