Pyrroline-5-Carboxylate Reductase (proC) Pasteurella Multocida Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pyrroline-5-carboxylate reductase (proC), Recombinant Protein
Full Product Name	Recombinant Pasteurella multocida Pyrroline-5-carboxylate reductase (proC)
Product Gene Name	proC recombinant protein
Product Synonym Gene Name	proC
Sequence	MQAKSICFIG GGNMAQAIIF GLLKQGYPAN QITVSDPNAA KRQCLAEKGV NTVEASQTDT QDAVETSEVL LLAVKPQMIA AVCQGLSAVD FSQKLVISIA AGVSVTKLQS RLPTAKQIVR VMPNTPALVA EGMSGLFAQN SLKPEYKQFT QDLLNAVGKT CWVTQEADMH TITAGSGSSP AYFFLFMEAM QQALCQMNMD EDTARLLVQQ SALGAAKMVI ENPDLPIATL RENVTSKGGT TAAALQVLNQ QQLQHIVQQA MQACVERSQQ MEKLF
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	29,556 Da
Sequence Positions	1-275, 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 Q9CPE8
Species	Pasteurella multocida (strain Pm70)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for proC recombinant protein	MBS1410679 is a recombinant protein targeting proC. Also known as Recombinant Pasteurella multocida Pyrroline-5-carboxylate reductase (proC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of proC 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 proC. It may not necessarily be applicable to this product.

NCBI GI #	499208939
NCBI Accession #	WP_010906479.1
UniProt Primary Accession #	Q9CPE8
GenBank Nucleotide #	WP_010906479.1
NCBI Official Full Name	pyrroline-5-carboxylate reductase

UniProt Protein Name	Pyrroline-5-carboxylate reductase
UniProt Synonym Protein Names	PCA reductase
Protein Family	Vitamin K-dependent protein
UniProt Gene Name	proC
UniProt Synonym Gene Names	P5C reductase; P5CR
UniProt Comments for proC	Catalyzes the reduction of 1-pyrroline-5-carboxylate (PCA) to L-proline.
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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