Pyrrolidone-Carboxylate Peptidase (pcp) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pyrrolidone-carboxylate peptidase (pcp), Recombinant Protein
Full Product Name	Recombinant Staphylococcus saprophyticus subsp. saprophyticus Pyrrolidone-carboxylate peptidase (pcp)
Product Gene Name	pcp recombinant protein
Product Synonym Gene Name	pcp
Sequence	MRILITGFDP FGGERVNPAL EAVKLLPDEI GAHKIDKLEI PTVFHKSKDV ILSQMKRYEY DIVLAIGQAG GRYELTPERV GINVDDARIA DNEGNQPIDE VIQVDGNAAY FSNLPVKRIT EAIKAQGIPS RLSNTAGTFV CNHILYQLGY LQATAFPKIK FGFIHVPFVP EQVTDKPEKP SMSLETIRIG LYAALEAIVE SGEDIKVALG ETH
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	23,472 Da
Sequence Positions	1-213, 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 Q4A002
Species	Staphylococcus saprophyticus subsp. saprophyticus (strain 15305 / DSM 20229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pcp recombinant protein	MBS1386779 is a recombinant protein targeting pcp. Also known as Recombinant Staphylococcus saprophyticus subsp. saprophyticus Pyrrolidone-carboxylate peptidase (pcp). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pcp 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 pcp. It may not necessarily be applicable to this product.

NCBI GI #	488413042
NCBI Accession #	WP_002482427.1
UniProt Primary Accession #	Q4A002
GenBank Nucleotide #	WP_002482427.1
NCBI Official Full Name	MULTISPECIES: pyrrolidone-carboxylate peptidase

UniProt Protein Name	Pyrrolidone-carboxylate peptidase
UniProt Synonym Protein Names	5-oxoprolyl-peptidase
Protein Family	Outer membrane lipoprotein
UniProt Gene Name	pcp
UniProt Synonym Gene Names	PGP-I; Pyrase
UniProt Comments for pcp	Removes 5-oxoproline from various penultimate amino acid residues except 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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