Cytosolic Non-Specific Dipeptidase (CNDP2) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytosolic non-specific dipeptidase (CNDP2), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Cytosolic non-specific dipeptidase (CNDP2)
Product Gene Name	CNDP2 recombinant protein
Product Synonym Gene Name	CNDP2
Sequence	AALTTLFKYI DENQDRYIKK LAKWVAIQSV SAWPEKRGEI RRMMEVAAAD VKQLGGSVEL VDIGKQKLPD GSEIPLPPIL LGRLGSDPQK KTVCIYGHLD VQPAALEDGW DSEPFTLVER DGKLHGRGST DDKGPVAGWI NALEAYQKTD QEIPVNVRFC LEGMEESGSE GLDELIFAQK DTFFKDVDYV CISDNYWLGK KKPCITYGLR GICYFFIEVE CSNKDLHSGV YGGSVHEAMT DLILLMGSLV DKRGNILIPG INEAVAAVTE EEHKLYDDID FDIEEFAKDV GAQILLHSNK KDILMHRWRY PSLSLHGIEG AFSGSGAKTV IPRKVVGKFS IRLVPNMTPE VVSEQVTSYL TKKFAELRSP NEFKVYMGHG GKPWVSDFSH PHYVAGRRAM RTVFGVEPDL TREGGSIPVT LTFQEATGKN VMLLPVGSAD DGAHSQNEKL NRHNYIEGTK MLAAYLYEVS QLKD
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	52,877 Da
Sequence Positions	2-475, 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 Q5R432
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CNDP2 recombinant protein	MBS1373391 is a recombinant protein targeting CNDP2. Also known as Recombinant Pongo abelii Cytosolic non-specific dipeptidase (CNDP2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CNDP2 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 CNDP2. It may not necessarily be applicable to this product.

NCBI GI #	197102322
NCBI GeneID	100174694
NCBI Accession #	NP_001127615.1
UniProt Primary Accession #	Q5R432

UniProt Secondary Accession #	Q5R5I0
UniProt Related Accession #	Q5R432
GenBank Nucleotide #	NM_001134143.1
NCBI Official Full Name	cytosolic non-specific dipeptidase
NCBI Official Symbol	CNDP2
UniProt Protein Name	Cytosolic non-specific dipeptidase
UniProt Synonym Protein Names	CNDP dipeptidase 2
Protein Family	Cytosolic non-specific dipeptidase
UniProt Gene Name	CNDP2
NCBI Protein Information	cytosolic non-specific dipeptidase
UniProt Comments for CNDP2	Hydrolyzes a variety of dipeptides including L-carnosine but has a strong preference for Cys-Gly. Catalyzes the production of N-lactoyl-amino acids from lactate and amino acids by reverse proteolysis.
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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