Caseinolytic Peptidase B Protein Homolog (CLPB) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Caseinolytic peptidase B protein homolog (Clpb), Recombinant Protein
Full Product Name	Recombinant Rat Caseinolytic peptidase B protein homolog (Clpb)
Product Gene Name	Clpb recombinant protein
Product Synonym Gene Name	Clpb
Sequence	MMLSAVLRRT APAPRLFLGL IKSPSLQSRG GAYNRSVITG DRGEPQRLRT AAWVRPGASS VLFPGRGAAT GGRRGERTEI PYLTAASSGR GPSPEETLPG QDSWNGVPNK AGLGMWALAM ALVVQCYNKN PSNKDAALME AARANNVQEV RRLLSEGADV NARHKLGWTA LMVAAISHNE SVVQVLLAAG ADPNLGDDFS SVYKTANEQG VHSLEVLVTR EDDFNNRLNH RASFKGCTAL HYAVLADDYS IVKELLGGGA NPLQRNEMGH TPLDYAREGE VMKLLKTSET KYMEKQRKRE AEERRRFPLE QRLEQHIIGQ ESAIATVGAA IRRKENGWYD EEHPLVFLFL GSSGIGKTEL AKQTAKYMHK DAKKGFIRLD MSEFQERHEV AKFIGSPPGY IGHEEGGQLT KKLKQCPNAV VLFDEVDKAH PDVLTIMLQL FDEGRLTDGK GKTIDCKDAI FIMTSNVASD EIAQHALQLR QEALEMSRNR IAENLGDVQI SDKITISKNF KENMIRPILK AHFRRDEFLG RINEIVYFLP FCHSELIQLV NKELNFWAKR AKQRHNITLL WDREVADVLV DGYNVQYGAR SIKHEVERRV VNQLAAAYEQ DLLPGGCTLR ITVEDSDKQL LKSPELPSPQ AEKRPPTLRL EIIDKDSKTH KLDIQAPLHP EKVCYTI
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	75,702 Da
Sequence Positions	1-677, 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 Q9WTT2
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Clpb recombinant protein	MBS1356600 is a recombinant protein targeting Clpb. Also known as Recombinant Rat Caseinolytic peptidase B protein homolog (Clpb). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Clpb 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 Clpb. It may not necessarily be applicable to this product.

NCBI GI #	12621118
NCBI GeneID	65041

NCBI Accession #	NP_075236.1
UniProt Primary Accession #	Q9WTT2
UniProt Related Accession #	Q9WTT2
GenBank Nucleotide #	NM_022947.1
NCBI Official Full Name	caseinolytic peptidase B protein homolog
NCBI Official Synonym Full Names	ClpB homolog, mitochondrial AAA ATPase chaperonin
NCBI Official Symbol	Clpb
NCBI Official Synonym Symbols	Skd3
UniProt Protein Name	Caseinolytic peptidase B protein homolog
UniProt Synonym Protein Names	Suppressor of potassium transport defect 3
Protein Family	Caseinolytic peptidase B protein
UniProt Gene Name	Clpb
UniProt Synonym Gene Names	Skd3
NCBI Protein Information	caseinolytic peptidase B protein homolog
NCBI Summary for Clpb	mouse homolog is a putative ATPase and member of the Clp/HSP104 family [RGD, Feb 2006]
UniProt Comments for Clpb	May function as a regulatory ATPase and be related to secretion/protein trafficking process.
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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