Cathepsin B (CTSB) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cathepsin B (CTSB), Recombinant Protein
Full Product Name	Recombinant Pongo abelii Cathepsin B (CTSB)
Product Gene Name	CTSB recombinant protein
Product Synonym Gene Name	CTSB
Sequence	LPESFDAREQ WPQCPTIKEI RDQGSCGSCW AFGAVEAISD RICIHTNAHV SVEVSAEDLL TCCGSMCGDG CNGGYPAEAW NFWTRKGLVS GGLYESHVGC RPYSIPPCEH HVNGSRPPCT GEGDTPKCSK ICEPGYSPTY KQDKHYGYNS YSVSNSERDI MAEIYKNGPV EGAFSVYSDF LLYKSGVYQH VTGEMMGGHA IRILGWGVEN GTPYWLVANS WNTDWGDNGF FKILRGQDHC GIESEVVAGI PRTD
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	37,820 Da
Sequence Positions	80-333, 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 Q5R6D1
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CTSB recombinant protein	MBS1312603 is a recombinant protein targeting CTSB. Also known as Recombinant Pongo abelii Cathepsin B (CTSB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CTSB 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 CTSB. It may not necessarily be applicable to this product.

NCBI GI #	197098184
NCBI GeneID	100173564
NCBI Accession #	NP_001126573.1
UniProt Primary Accession #	Q5R6D1
UniProt Related Accession #	Q5R6D1

GenBank Nucleotide #	NM_001133101.1
NCBI Official Full Name	cathepsin B
NCBI Official Symbol	CTSB
UniProt Protein Name	Cathepsin B
Protein Family	Cathepsin
UniProt Gene Name	CTSB
NCBI Protein Information	cathepsin B
UniProt Comments for CTSB	Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Has also been implicated in tumor invasion and metastasis ().
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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