

Cathepsin-B Active Protein | CTSB active protein

Recombinant Mouse Cathepsin-B, Active

CATALOG #
AAA39158

PRODUCT SYNONYMS

Cathepsin-B; Recombinant Mouse Cathepsin-B; Active; CTSB Mouse; Cathepsin B; Cathepsin B1; CTSB; Cathepsin-B Mouse Recombinant; CTSB active protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Sterile filtered clear solution. CTSB protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Sequence	HDKPSFHPLS DDLINYINKQ NTTWQAGRNF YNVDISYLKK LCGTVLGGPK LPGRVAFGED IDLPETFDAR EQWSNCP TIG QIRDQSGCS CWAFGAVEAI SDRTCIHTNG RVNVEVSAED LLTCCGIQCG DGCNGGYP SG AWSFWTKKGL VSGGVYNHSHV GCLPYTIPPC EHHVNGSRPP CTGEGDTPRC NKSCEAGYSP SYKEDKHFGY TSYSVSNSVK EIMAEIYKNG PVEGAFTVFS DFLTYKSGVY KHEAGDMMGG HAIRILGWGV ENGVPYWLAA NSWNLDWGDN GFFKILRGEN HCGIESEIVA GIPRTDQYWG RFLEHHH HHH
Sequence Length	339
Source	Sf9, Baculovirus cells
Biological Activity	Specific activity is > 2, 000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of Z-Arg-Arg-AMC to Z-Arg-Arg and AMC per minute at pH 6.0 at 37C.
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles

ADDITIONAL INFORMATION

Related Product Information for CTSB active protein	CTSB Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 330 amino acids (18-339a.a.) and having a molecular mass of 36.4kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). CTSB is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.
Product Categories/Family for CTSB active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	6681079
NCBI GeneID	13030
NCBI Accession #	NP_031824.1
NCBI GenBank Nucleotide #	NM_007798.3
UniProt Accession #	P10605; Q3UDW7
Molecular Weight	37,280 Da

NCBI Official Full Name	cathepsin B preproprotein
NCBI Official Synonym Full Names	cathepsin B
NCBI Official Symbol	Ctsb
NCBI Official Synonym Symbols	CB
NCBI Protein Information	cathepsin B
UniProt Protein Name	Cathepsin B
UniProt Gene Name	Ctsb

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ctsb-active-protein/cathepsin-b/39158>