

## Cathepsin-B Mouse Recombinant, Active

<b>Item Number</b>	rAP-0892
<b>Synonyms</b>	Cathepsin B, Cathepsin B1, CTSB.
<b>Description</b>	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).
<b>Uniprot Accession Number</b>	P10605
<b>Amino Acid Sequence</b>	HDKPSFHPLS DDLINYINKQ NTTWQAGRNF YNVDISYLKK LCGTVLGGPK LPGRVAFGED IDLPET- FDAR EQWSNCPTIG QIRDQGSCGS CWAFGAVEAI SDRTCITNG RVNVEVSAED LLTCCGIQCG DGCNGGYPSG AWSFWTKKGL VSGGVYNHSHV GCLPYTIPPC EHHVNGSRPP CTGEGDTPRC NKSCEAGYSP SYKEDKHFGY TSYSVSNSVK EIMAEIYKNG PVEGAFTVFS DFLTYKSGVY KHEAGDMMGG HAIRILGWGV ENGVPYWLAA NSWNLDWGDN GFFKILRGEN HCGIESEIVA
<b>Source</b>	Sf9, Baculovirus cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks.&nbsp; 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.
<b>Formulation and Purity</b>	CTSB protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	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.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**