

Mouse CTSB Recombinant Protein



RPPB1514

Product Information Protein Information

Product SKU:

RPPB1514

Accession:

P10605

Host:

Sf9, Baculovirus cells.

Protein description:

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.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Cathepsin B, Cathepsin B1, CTSB.

Formulation:

CTSB protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Purity:

Greater than 90% as determined by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

HDKPSFHPLS DDLINYINKQ NTTWQAGRNF YNVDISYLKK LCGTVLGGPK LPGRVAFGED IDLPETFDAR
EQWSNCPTIG QIRDQGSCGS CWAFGAVEAI SDRTCITNG RVNVEVSAED LLTCCGIQCG DGCNGGYPG
AWSFWTKKGL VSGGVYNHSHV GCLPYTIPPC EHHVNGSRPP CTGEGDTPRC NKSCEAGYSP SYKEDKHFGY
TSYSVSNSVK EIMAEIYKNG PVEGAFTVFS DFLTYKSGVY KHEAGDMMGG HAIRILGWGV ENGVPYWLAA
NSWNLDWGDN GFFKILRGEN HCGIESEIVA GIPRTDQYWG RFLEHHHHHHH.

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.