
Product Data Sheet

Product Name: CTSB Mouse
 Cat. No.: GP21502
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cathepsin B; Cathepsin B1; CTSB.		
Amino Acid Sequence	HDKPSFHPLSDDLINYINKQ NTTWQAGRNF YNVDISYLKK LCGTVLGGPK LPGRVAFGED IDLPETFDAR EQWSNCPTIGQIRDQGSCGS CWAFGAVEAI SDRTCIGHTNG RVNVEVSAED LLTCCGIQCG DGCNGGYPSG AWSFWTKKGLVSGGVYNHSV GCLPYTIPPC EHHVNGSRPP CTGEGDTPRC NKSCAEGYSP SYKEDKHFGY TSYSVSNSVKEIMAEIYKNG PVEGAFTVFS DFLTYKSGVY KHEAGDMMGG HAIRILGWGV ENGVPYWLAA NSWNLDWGDNGFFKILRGEN HCGIESEIVA GIPRTDQYWG RFLEHHHHHH.		
Formulation	CTSB protein solution (0.5mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Cathepsin B preproprotein (CTSB) is a papain-family cysteine protease which is normally located in lysosomes. CTSB is able to degrade several extracellular matrix components at both neutral and acidic pH and has been implicated in the progression of some human and rodent tumors progression and arthritis.

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.

Background

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).

Caution: Product has not been fully validated for medical applications. For research use only.

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