
Product Data Sheet

Product Name: CTSZ Mouse
 Cat. No.: GP21515
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CathepsinZ; CTSZ.		
Amino Acid Sequence	ARARLYFRSG QTCYHPIRGD QLALLGRRTY PRPHEYLSPA DLPKNWDWRNVNGVNYASVT RNQHIPQYCG SCWAHGSTSA MADRINIKRK GAWPSILLSV QNVIDCGNAG SCEGGNDLPWEYAHKHGIP DETCNNYQAK DQDCDKFNQC GTCTEFKECH TIQNYTLWRV GDYGSLSGREKMMAEIYANG PISCGIMATEMMSNYTGGIY AEHQDQAVIN HIISVAGWGV SNDGIEYWIV RNSWGEPWGE KGWMRIVTST YKGGTGDSYN LAIESACTFGDPIVLEHHHH HH.		
Formulation	CTSZ protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Cathepsin-Z (CTSZ) is a lysosomal cysteine proteinase and member of the peptidase C1 family. CTSZ, which has been also known as cathepsin X and cathepsin P, exhibits carboxy-monopeptidase and carboxy-dipeptidase activities. CTSZ is expressed ubiquitously in cancer cell lines and primary tumors and, similar to other members of this family, takes part in tumorigenesis.

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

CTSZ produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 292 amino acids (23-306a.a.) and having a molecular mass of 32.8kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). CTSZ is expressed

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

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with an 8 amino acid His tag atC-Terminus and purified by proprietary chromatographic techniques.

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