
Product Data Sheet

Product Name: CTSZ Human

Cat. No.: GP21513

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cathepsin Z preproprotein; Cathepsin Z; CTSX; Cathepsin P; Cathepsin X; CTSZ; Cathepsin-Z.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSLPKSWDW RNVDGVNYAS ITRNQHIPQY CGSCWAHAST SAMADRINIK RKGAWPSTLL SVQNVIDCGN AGSCEGGNDL SVWDYAHQHG IPDETCNNYQ AKDQECDKFN QCGTCNEFKE CHAIRNYTLW RVGDYGSLSG REKMMAEIYA NGPISCGIMA TERLANYTGG IYAEYQDTTY INHVSVAGW GISDGTWEYI VRNSWGEPWG ERGWLRIVTS TYKDGKGARY NLAIEEHCTF GDPIV.Normal0falsefalsefalseEN-USX-NONEHE-->		
Formulation	The CTSZ solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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). Avoid multiple freeze-thaw cycles.

Background

CTSZ Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 265 amino acids (62-303) and having a molecular mass of

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

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29.5kDa.CTSZ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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