
Product Data Sheet

Product Name: CTSS Mouse
 Cat. No.: GP21511
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cathepsin S; Ctss; Cats.		
Amino Acid Sequence	VAMEQLQRDP TLDYHWDLWK KTHEKEYKDK NEEVRLIWK EKNLKFIMIH NLEYSMGMHT YQVGMNDMGD MTNEEISCRM GALRISRQSP KVTFRSYSN RTLPDVTVDWR EKGCVTEVKY QGSCGACWAF SAVGALEGQL KLKTGKLISL SAQNLVDCSN EEKYGNKGCY GGYMTEAFQY IIDNGGIEAD ASYPYKAMDE KCHYNSKNRA ATCSRYIQLP FGDEDALKEA VATKGPVSVG IDASHSSFFF YKSGVYDDPS CTGNVNHGVL VVGYGTLDGK DYWLKNSWG LNFQDQGYIR MARNKNHCG IASYCSYPEI LEHHHHHHHDY WLVKNSWGLN FGDQGYIRMA RNNKNHCGIASYCSYPEILE HHHHHH.		
Formulation	CTSS protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Cathepsin S (CTSS) belongs to the peptidase C1 family. CTSS is a lysosomal cysteine proteinase that participates in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. CTSS functions as an elastase over a broad pH range in alveolar macrophages.

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

CTSS Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 328 amino acids (21-340 a.a.) and having a molecular

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

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mass of 37.2kDa (Migrates at 28-40kDa on SDS-PAGE under reducing conditions).CTSS is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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