
Product Data Sheet

Product Name: CTSE Mouse
 Cat. No.: GP26141
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	CTSE, A430072003Rik, C920004C08Rik, CatE, CE.		
Amino Acid Sequence	ALHRVPLRRH QSLRKKLRAQ GQLSEFWRSH NLDMTRLSES CNVYSSVNEP LINYLDMEYF GTISIGTPPQ NFTVIFDTGS SNLWVPSVYC TSPACKAHPV FHPSQSDTYT EVGNHFSIQY GTGSLTGIIG ADQVSVEGLT VDGQQFGESV KEPGQTFVNA EFDGILGLGY PSLAAGGVTP VFDNMMAQNL VALPMFSVYL SSDPQGGSGS ELTFGGYDPS HFSGSLNWIP VTKQAYWQIALDGIQVGDTV MFCSEGCQAI VDTGTSLITG PPKIKQLQE AIGATPIDGE YAVDCATLDT MPNVTFLINE VSYTLNPTDY ILPDLVEGMQ FCGSGFQGLD IPPPAGPLWI LGDVFIRQFY SVFDRGNNQV GLAPAVPLEH HHHHH.		
Formulation	CTSE protein solution (0.5mg/ml) contains PBS (pH 7.4) and 10% glycerol.		

Introduction

CTSE or cathepsin E is an intracellular aspartic protease from the pepsin protein family. CTSE has a crucial part in protein degradation, creating bioactive proteins & processing antigens. The enzyme is responsible for cleaving at B site, Swedish mutant of amyloid precursor protein and the enzyme shows reactivity with the wild-type APP.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks.

Background

CTSE Mouse produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 385 amino acids (21-397 a.a.) and having a molecular mass of 41.8 kDa. CTSE is expressed with a 8 amino acid His tag at C-Terminus and purified by

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proprietary chromatographic techniques.

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