

Cathepsin E, 21-397aa, Mouse, His tag, Insect cell

Cat.NO.: TP01435

3th Edition

Synonyms:CTSE, A430072003Rik, C920004C08Rik, CatE, CE

Description:CTSE, also known as cathepsin E, belongs to an intracellular aspartic protease of the pepsin family. It plays an important role in the degradation of proteins, the generation of bioactive proteins, and antigen processing. It is efficient in cleaving the Swedish mutant of amyloid precursor protein (APP) at the B site but show almost no reactivity with the wild-type APP. Recombinant mouse CTSE, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:41.8kDa (385aa), 40-57kDa (SDS-PAGE under reducing conditions.)

Sequences:

ALHRVPLRRHQSLRKKLRAQQQLSEFWRSHNLDMTRLSESCNVYSSVNEPLINYLDMEYFGTISIGTPPQNFTVIFD
TGSSNLWVPSVYCTSPACKAHPVFHPSQSPTYTEVGNHFSIQYGTGSLTGIIADQVSVEGLTVDGQQFGESVKEP
GQTFVNAEFDGILGLGYPSLAAGGVTPVFDNMMQAQLVALPMFSVYLSSDPQGGSGSELTFGGYDPSHFSGSLN
WIPVTKQAYWQIALDGIQVGDVMFCSEGCQAIVDTGTSITGPPDKIKQLQEAIGATPIDGEYAVDCATLDTMPNVT
FLINEVSYTLNPTDYILPDLVEGMQFCGSGFQGLDIPPPAGPLWILGDVFIQFYSVFDRGNNQVGLAPAVPLEHHH
HHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.