Active Recombinant Human CTSE, His-tagged

Cat. No. CTSE-724H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTSE (Accession # NP_001901) Gln18-Pro396, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	18-396 a.a.
Predicted N Terminal	Ile54 & Gln18 (predicted)
Form	Lyophilized from a 0.2 μm filtered solution in MES and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH2 .The specific activity is >1,500 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human CTSE, His-tagged has a calculated MW of 42 kDa. In SDS-PAGE migrates as 48 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	CTSE cathepsin E [Homo sapiens]
Official Symbol	CTSE
Synonyms	CTSE; cathepsin E; slow-moving proteinase; erythrocyte membrane aspartic proteinase; CATE;
Gene ID	1510
mRNA Refseq	NM_001910
Protein Refseq	NP_001901
MIM	116890
UniProt ID	P14091
Chromosome Location	1q32.1

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