

# Recombinant Full Length Human CTSE Protein, GST-tagged

Cat. No. CTSE-2343HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CTSE full-length ORF ( AAH42537, 18 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	396 amino acids
<b>Description</b>	This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration. [provided by RefSeq, Nov 2015]
<b>Molecular Mass</b>	67.43 kDa
<b>AA Sequence</b>	<p>QGSLHRVPLRRHPTLKKKLRARSQLSEFWKSHNLDMIQFTESCSMDQSAKEPLINYL  DMEYFGTISIGSPPQNFTVIFDTGSSNLWVPSVYCTSPACKTHSRFQPSQSSTYSQP  GQSFSIQYGTGSLSGIIGADQVSVEGLTVVGQQFGESVTEPGQTLVDAEFDGILGLG  YPSLAVGGVTPVFDNMMAQNLVDLPMFSVYMSSNPEGGAGSELIFGGYDHSHFSG  SLNWVPVTKQAYWQIALDNIQVGGTVMFCSEGCQAIVDTGTSLITGPSDKIKQLQNAI  GAAPVDGEYAVECANLNVMPDVTFTINGVPYTLSPAYTLDFVDGMQFCSSGFQG  LDIHPPAGPLWILGDVFIRQFYSVFDRGNRVGLAPAVP</p>

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CTSE cathepsin E [ Homo sapiens ]
<b>Official Symbol</b>	CTSE
<b>Synonyms</b>	CTSE; cathepsin E; slow-moving proteinase; erythrocyte membrane aspartic proteinase; CATE;
<b>Gene ID</b>	1510
<b>mRNA Refseq</b>	NM_001910
<b>Protein Refseq</b>	NP_001901
<b>MIM</b>	116890
<b>UniProt ID</b>	P14091

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