

# Recombinant Full Length Human CTSS Protein, GST-tagged

Cat. No. CTSS-2363HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human CTSS full-length ORF ( AAH02642, 1 a.a. - 331 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>	331 amino acids
<b>Description</b>	<p>The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages.</p> <p>Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]</p>
<b>Molecular Mass</b>	62.15 kDa
<b>AA Sequence</b>	<p>MKRLVCVLLVCSSAVAQLHKDPTLDHHWHLWKKTYGKQYKEKNEEAVRRLIWEKNL            KFVMLHNLEHSMGMHSYDLGMNHLGDMTSEEVMSSLRVPSQWQRNITYKSN            PNWILPDSVDWREKGCVTEVKYQGSCGACWAFSAVGALEAQLKLTGKLVLSAQ            NLVDCSTEKYGNKGCNGGFMTTAFQYIIDNKGIDSDASYPYKAMDQKCYDSKYRA            ATCSKYTELPGREDVLKEAVANKGPVSVGVDARHPSFFLYRSGVYYEPSTQNVN            HGVLVVGYGDLNGKEYWLKNSWGHNFGEEGYIRMARNKGNHCGIASFPSYPEI</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>	CTSS cathepsin S [ Homo sapiens ]
<b>Official Symbol</b>	CTSS
<b>Synonyms</b>	CTSS; cathepsin S; MGC3886; FLJ50259;
<b>Gene ID</b>	1520
<b>mRNA Refseq</b>	NM_001199739
<b>Protein Refseq</b>	NP_001186668
<b>MIM</b>	116845
<b>UniProt ID</b>	P25774

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