

Recombinant Human CTSS Protein, GST-tagged

Cat. No. CTSS-2118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CTSS full-length ORF (AAH02642, 1 a.a. - 331 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Dec 2010]
Molecular Mass	62.15 kDa
AA Sequence	MKRLVCVLLVCSSAVAQLHKDPTLDHHWHLWKKTYGKQYKEKNEEAVRRLIWEKNL KFMLHNLEHSMGMHSYDLGMNHLGDMTSEEVMSSLRVPSQWQRNITYKSN PNWILPDSVDWREKGCVTEVKYQGSCGACWAFSAVGALEAQLKLKTGKLVSLSAQ NLVDCSTEKYGNKGCGNGGFMTTAFQYIIDNKGIDSDASYPYKAMDQKCQYDSKYRA ATCSKYTELPGREDVLKEAVANKGPVSVGV DARHPSFFLYRSGVYYEP SCTQNVN HGVLVVG YGDLNGKEYWLKNSWGHNFGE EGYIRMARNKGNHCGIASFPSYPEI
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CTSS cathepsin S [Homo sapiens]
Official Symbol	CTSS
Synonyms	CTSS; cathepsin S; MGC3886; FLJ50259;
Gene ID	1520
mRNA Refseq	NM_001199739
Protein Refseq	NP_001186668
MIM	116845
UniProt ID	P25774

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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