

Native Human CTSS

Cat. No. CTSS-27405TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Cathepsin S purified from Human Spleen; amino acids 115-331, 217 amino acids, MWt 24 kDa.
Species	Human
ProteinLength	115-331 a.a.
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.
Biological activity	Activity: Cathepsin S activity detected using Z-Val-Val-Arg-AMC
Form	Lyophilised
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 100mM Sodium acetate, 1mM EDTA, pH 5.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Full Length	Full L.
GENE INFORMATION	
Gene Name	CTSS cathepsin S [Homo sapiens]
Official Symbol	CTSS
Synonyms	CTSS; cathepsin S;
Gene ID	1520
mRNA Refseq	NM_001199739
Protein Refseq	NP_001186668
MIM	116845
Uniprot ID	P25774
Chromosome Location	1q21
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing &
Function	cysteine-type endopeptidase activity; peptidase activity;

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