

Recombinant Human Cathepsin S

Cat. No. CTSS-1651H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CTSS was expressed by Human spleen.
Species	Human
Source	Human Spleen
Description	Like Cathepsins B, H, and L, CTSS belongs to the group of lysosomal cysteine proteinases. CTSS is found primarily in the spleen and in lung macrophages. Its level is elevated in the brain tissue of those with Alzheimer's disease and Down syndrome. CTSS may function in the processing of amyloid precursor protein to amyloid beta peptides.
Biological Activity	229.9 mU/mg using the method described by Kirche & Weiderlanders in Methods in Enzymology, 244.
Form	Lyophilized from 8.36 ul of 100 mM NaAc+1 mM EDTA, pH 5.5.
Appearance	Lyophilized
Reconstitution	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.
Storage	Store at -70°C, stable for at least 1 year as supplied. Avoid freeze/thaw cycles.

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Pathways Antigen processing and presentation; Lysosome; Phagosome; Tuberculosis

GENE INFORMATION

Gene Name CTSS cathepsin S [Homo sapiens]

Official Symbol CTSS

Synonyms CTSS; cathepsin S; MGC3886; FLJ50259; OTTHUMP00000032942; EC 3.4.22.27

Gene ID 1520

mRNA Refseq NM_004079

Protein Refseq NP_004070

MIM 116845

UniProt ID P25774

Chromosome Location 1q21

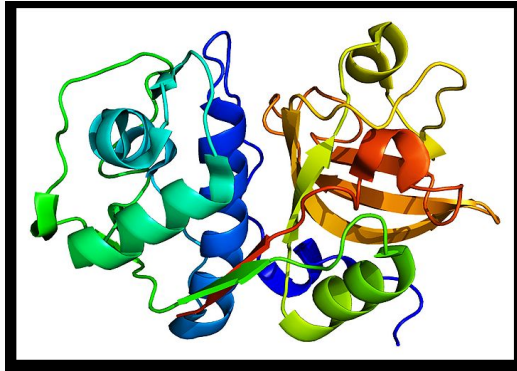
Function cysteine-type endopeptidase activity; peptidase activity

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