

Native Human CTSH

Cat. No. CTSH-27404TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length native Human Cathepsin H prepared from Human liver; MWt 28 kDa.
Species	Human
Description	The protein encoded by this gene is a lysosomal cysteine proteinase important in the overall degradation of lysosomal proteins. It is composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. The encoded protein, which belongs to the peptidase C1 protein family, can act both as an aminopeptidase and as an endopeptidase. Increased expression of this gene has been correlated with malignant progression of prostate tumors.
Biological activity	Activity: greater than 1 unit per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one mole of L-arginine-beta-naphthylamide per minute at 40°C using 75 mM potassium phosphate, pH 6.8, with 1 mM EDTA and 3 mM cysteine as the ac
Form	Liquid
Storage buffer	Preservative: None Constituents: 20mM Sodium acetate, 100mM Sodium chloride, 1mM EDTA, pH 4.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Full Length	Full L.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	CTSH cathepsin H [Homo sapiens]
Official Symbol	CTSH
Synonyms	CTSH; cathepsin H; CPSB; pro-cathepsin H; ACC 4; ACC 5;
Gene ID	1512
mRNA Refseq	NM_004390
Protein Refseq	NP_004381
MIM	116820
Uniprot ID	P09668
Chromosome Location	15q25.1
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved biosystem;
Function	cysteine-type endopeptidase activity; cysteine-type peptidase activity; kininogen binding; peptidase activity; protein binding;

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