

Active Native Human Cathepsin H

Cat. No. CTSH-190H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Human Liver
Description	A more basic protein than Cathepsin B or L. Functions as both an aminopeptidase and endopeptidase. Cathepsin H, like cathepsin L and B, is involved in the catabolism of proteins in the lysosomal system.
Form	Frozen
Bio-activity	Greater than 1 unit per mg protein. One unit is defined as the amount of enzyme which hydrolyzes one μ mole of L-arginine-beta-naphthylamide per minute at 40°C in 75 mM potassium phosphate buffer, pH 6.8 with 1 mM EDTA and 3 mM cysteine.
Molecular Mass	MW 28,000
Purity	$\geq 95\%$ by SDS-PAGE
Usage	For research use only
Quality Control Test	Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

 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

Stability	>1 year
Storage	<=>
Storage Buffer	20 mM Na Acetate, pH 4.5 with 1 mM EDTA and 100 mM NaCl
GENE INFORMATION	
Gene Name	CTSH cathepsin H [Homo sapiens]
Official Symbol	CTSH
Synonyms	CTSH; cathepsin H; CPSB; pro-cathepsin H; ACC 4; ACC 5; aleurain; cathepsin B3; cathepsin BA; N-benzoylarginine-beta-naphthylamide hydrolase; ACC-4; ACC-5; minichain; MGC1519; DKFZp686B24257;
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	HLA-A specific activating MHC class I receptor activity; aminopeptidase activity;

 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

apoptotic protease activator activity; cysteine-type endopeptidase activity; cysteine-type peptidase activity; endopeptidase activity; kininogen binding; peptidase activity; protein binding; serine-type endopeptidase activity; thyroid hormone binding;

 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