

## CTSH

### Native Human Cathepsin H Protein

<b>Catalog No.</b>	CSI13570	<b>Quantity:</b>	25 µg
<b>Alternate Names:</b>	ACC-4, ACC-5, CPSB, DKFZp686B24257, MGC1519, minichain, N-benzoylarginine-beta-naphthylamide hydrolase, aleurain, cathepsin B3, cathepsin BA		
<b>Description:</b>	Purified native Human Cathepsin H protein - Cathepsin H is a protein that in humans is encoded by the CTSH gene. 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.		
<b>Gene ID:</b>	1512		
<b>Source:</b>	Human liver		
<b>Molecular Weight:</b>	28 kDa		
<b>Formulation:</b>	Frozen in 20 mM CH <sub>3</sub> COONa, pH 4.5 with 1 mM EDTA and 100 mM NaCl.		
<b>Purity:</b>	> 80% pure by SDS PAGE		
<b>Biological Activity:</b>	>1 units/mg - One unit of activity is defined as the amount of enzyme which hydrolyzes one uMole of L-arginine-beta-naphtylamide per minute at 40°C in 75 mM potassium phosphate buffer, pH 6.8 with 1 mM EDTA and 3 mM cysteine.		
<b>Applications:</b>	User optimized		
<b>Storage &amp; Stability:</b>	Aliquot and store at -20°C. <b>Avoid repeated freeze/thaw cycles.</b>		
<b>Biohazard:</b>	Donor samples were tested and found to be negative for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.		

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