

CTSB

Native Human Liver Cathespin B

Catalog No.	CSI19792A CSI19792B	Quantity:	25 µg 100 µg
Alternate Names:	APPS, CPSB, APP secretase, amyloid precursor protein secretase, cathepsin B1, cysteine protease, preprocathepsin B		
Description:	Native Human Liver Cathespin B		
Concentration:	1.0 mg/ml		
Gene ID:	1508		
Source:	Human liver		
Molecular Weight:	27.5 kDa		
Formulation:	Frozen liquid in a buffer of 0.05 M Sodium Acetate + 1 mM EDTA, pH 5.0.		
Purity:	>95% by SDS-PAGE		
Specific Activity:	≥ 200 units/mg. One unit is defined as the amount of enzyme that hydrolyzes one µmole of Z-Arg-Arg-beta-naphthylamide per minute at 40°C, using 100 mM Na/K phosphate, pH 6.0, with 1.33 mM EDTA and 2 mM DTT as the activation buffer.		
Storage & Stability:	Product is stable at -80°C for 3 years.		
Background:	Cathepsin B, a cysteine proteinase, is located in lysosomes and is involved in tissue degradation and restructuring. Specifically, cathepsin B is believed to be involved in the intracellular digestion of extracellular proteins taken up by endocytosis.		
Certification:	Prepared from tissue shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.		

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