

## CTSD

### Native Human Cathepsin D Protein

<b>Catalog No.</b>	CRC128	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	CLN10, CPSD, MGC2311, lysosomal aspartyl peptidase, lysosomal aspartyl protease		
<b>Description:</b>	Cathepsin D is a protein that in humans is encoded by the CTSD gene. This gene encodes a lysosomal aspartyl protease composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor.		
<b>Gene ID:</b>	1509		
<b>Source:</b>	Human Plasma		
<b>Molecular Weight:</b>	42 kDa		
<b>Formulation:</b>	Lyophilized from 2mM Na <sub>3</sub> PO <sub>4</sub> , pH 6.5.		
<b>Purity:</b>	> 98% pure by SDS PAGE		
<b>Biological Activity:</b>	300 units/mg - One unit of activity is defined as the amount of enzyme which digests hemoglobin-releasing peptides which are soluble in 10% TCA. The reaction is measured by an increase of an A280 of 1.0 per 60 minutes at 37° C.		
<b>Reconstitution:</b>	Reconstitute with laboratory grade water.		
<b>Applications:</b>	User optimized		
<b>Storage &amp; Stability:</b>	Aliquot and store at -20 ° C. <b>Avoid repeated freeze/thaw cycles.</b>		

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

