

CTSG

Native Human Cathepsin G, Neutrophils

Catalog No.	CRC235B CRC235C	Quantity:	500 µg 1 mg
Alternate Names:	CG		
Description:	Native human Cathepsin G is a serine protease, purified from neutrophils, that has multiple functions in the inflammatory process.		
UniProt ID:	P08311		
Gene ID:	1511		
Source:	Human neutrophil		
Molecular Weight:	30.0 kDa		
Formulation:	Liquid in 0.05 M sodium acetate, 0.8 M NaCl, pH 5.5		
Purity:	>95% by SDS-PAGE analysis		
Concentration:	≥ 1.0 mg/ml, lot specific		
Extinction Coefficient:	$E^{0.1\%}_{280\text{nm}} = 0.66$		
Specific Activity:	8.5 U/mg, defined as 1 unit will hydrolyze one micromole of Succinyl-alanine-alanine-proline-phenylalanine-p-nitroanilide per minute at 37°C and pH 7.5		
Applications:	Substrate cleavage Inhibitor screening The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		
Disease Certification:	Non-reactive for HIV-1/HCV/HBV by NAT; HBsAg, HCV Ab, HIV-1&2 Ab and RPR by currently approved FDA methods. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at Bio-Safety Level 2 (BSL 2) as recommended for potentially infectious human serum or blood specimen in the CCD/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 1999.		

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