

CTSG

Native Human Cathepsin G

Catalog No.	CSI19629A CSI19629B	Quantity:	1.0 mg 10 mg
Alternate Names:	CG		
Description:	Human Cathepsin G (CTSG) is a serine protease, and a member of the peptidase S1 protein family, located in the azurophil granules of neutrophils. Studies have shown that CTSG when released from granulocytes binds to NK cells and augments NK cytotoxicity through its protease activity. CTSG has a specificity similar to that of Chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation. Transcript variants utilizing alternative polyadenylation signals exist for this gene.		
Concentration:	≥ 1 mg/ml (Coomassie)		
Gene ID:	1511		
UniProt ID:	P08311		
Source:	Human Neutrophils		
Formulation:	Sterile-filtered liquid in 50 mM sodium acetate, 0.8 M NaCl, pH 5.5		
Purity:	> 90% by SDS-PAGE		
Biological Activity:	≥ 5 U/ml, defined as 1 unit hydrolyzes 1 micromole of succinyl-alanine-alanine-proline-phenylalanine-p-nitroanilide per minute at 37°C at pH 7.5		
Specific Activity:	≥ 5 U/mg protein		
Storage & Stability:	Store at 2-8°C. 1 year.		
Certification:	Non-Infectious 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.		

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