

CTSG

Native Human Cathepsin G Active Neutrophil

Catalog No.	CSI13569	Quantity:	100 µg
Alternate Names:	CG, MGC23078		
Description:	Purified native Human Cathepsin G protein - Cathepsin G is an enzymatic protein belonging to the peptidase or protease families. In humans, it is coded by the CTSG gene. This enzyme degrades collagen and proteoglycan and can also cause the release of angiotensin II from angiotensin I or angiotensinogen. It has been implicated in connective tissue diseases such as emphysema and rheumatoid arthritis.		
GeneID:	1511		
Source:	Human neutrophils		
Molecular Weight:	23.5 Da		
Formulation:	Salt-free lyophilized solid.		
Purity:	> 95% pure by SDS PAGE		
Biological Activity:	2-4 units/mg - One unit of activity is defined as the amount of enzyme that hydrolyzes one micromole of Suc-ala-ala-pro-phe-pNA (1mM) per minute at 25°C in 160 mM Tris-HCl, pH 7.4 with 1.6 M NaCl.		
Reconstitution:	Reconstitute with 50 mM CH ₃ COONa, pH 5.5 , with 150 mM NaCl.		
Storage & Stability:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.		
Biohazard:	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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