

BA117**Human Cathepsin G - Purified**

Alternate names:	CTSG, VSP, Vimentin-Specific Protease
Quantity:	0.1 mg
Background:	Cathepsin G is a serine protease, consisting of a single polypeptide with a molecular weight of 30 kDa as determined by SDS-PAGE. Its substrates are collagen and proteoglycans. Poor regulation of Cathepsin G levels has been associated with various connective tissue disorders, for example pulmonary emphysema and cystic fibrosis.
Uniprot ID:	P08311
NCBI:	NP_001902.1
GeneID:	1511
Species:	Human
Source:	Neutrophils, Human Neutrophil
Format:	State: Lyophilized purified fraction (>95% by SDS-PAGE) containing no preservatives. Purity: >95% Reconstitution: Restore with 50 mM Sodium Acetate, pH 5.5, with 150 mM Sodium Chloride.
Description:	Human Neutrophil Cathepsin G Biological Activity: 2-4 U/mg protein. 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 containing 1.6 M NaCl.
Storage:	Store the antigen at -20°C. Avoid repeated freezing and thawing. Shelf life: six months from despatch.
Caution:	All human source materials have tested negative for HIV 1, HIV 2 and non-reactive for anti-HCV, HBsAg and anti-HBc. No test guarantees a product to be non-infectious. Therefore, all materials derived from human fluids or tissues should be considered as potentially infectious.