

Cathepsin G, Human Neutrophil

CATALOG #:	4713-100
AMOUNT:	100 µg
SOURCE:	Human Neutrophils. Shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
PURITY:	≥95% by SDS-PAGE
MOLECULAR WT:	23,500; $\epsilon_{0.1\%}$ (280 nm) = 0.66
FORM:	Salt-free lyophilized solid
STORAGE:	-20°C long term/ 4°C short term
ACTIVITY:	2 to 4 units per mg protein. One unit of activity is defined as the amount of enzyme that hydrolyzes one micromole of Suc-Ala-Ala-Pro-Phe-pNA (1 mM) per minute at 25°C in 160 mM Tris-HCl, pH 7.4, with 1.6 M NaCl.
RECONSTITUTION:	Deionized water
DESCRIPTION:	Cathepsin G is a serine protease secreted by activated neutrophils that play a role in the inflammatory response. 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.

RELATED PRODUCTS:

- Cathepsin B (active, human) (**Cat. No. 1021-5**)
- Cathepsin B Activity Assay Kit (**Cat. No. K140-100**)
- Cathepsin B Blocking Peptide (for 3190-100) (**Cat. No. 3190BP-50**)
- Cathepsin B Polyclonal Antibody (**Cat. No. 3190-100**)
- Cathepsin B&L Inhibitor Z-Phe-Phe-FMK (**Cat. No. 1126-20C**)
- Cathepsin D (active, human) (**Cat. No. 1022-5**)
- Cathepsin D Activity Assay Kit (**Cat. No. K143-100**)
- Cathepsin D Peptide (**Cat. No. 3191RBP-50**)
- Cathepsin D Polyclonal Antibody (**Cat. No. 3191-100**)
- Cathepsin D Polyclonal Antibody (**Cat. No. 3191R-100**)
- Cathepsin F Blocking Peptide (**Cat. No. 3371BP-50**)
- Cathepsin F Polyclonal Antibody (**Cat. No. 3371-100**)
- Cathepsin G Polyclonal Antibody (**Cat. No. 3370-200**)
- Cathepsin H (active, human) (**Cat. No. 1023-5**)
- Cathepsin H Activity Assay Kit (**Cat. No. K145-100**)
- Cathepsin H Polyclonal Antibody (**Cat. No. 3367-100**)
- Cathepsin K Activity Assay Kit (**Cat. No. K141-100**)
- Cathepsin K Blocking Peptide (**Cat. No. 3368BP-50**)
- Cathepsin K Blocking Peptide (**Cat. No. 3588BP-50**)
- Cathepsin K Polyclonal Ab (**Cat. No. 3588-100**)
- Cathepsin K Polyclonal Antibody (**Cat. No. 3368-100**)
- Cathepsin L (Cleaved) Blocking Peptide (**Cat. No.3741BP-50**)
- Cathepsin L (Cleaved) Polyclonal Ab (**Cat. No.3741-100**)
- Cathepsin L Activity Assay Kit (**Cat. No.K142-100**)
- Cathepsin L Blocking Peptide (for 3192-100) (**Cat. No.3192BP-500**)
- Cathepsin L Polyclonal Antibody (**Cat. No. 3192-100**)
- Cathepsin L, human recombinant (**Cat. No. 1135-5, 100, 100**)
- Cathepsin S (active, human) (**Cat. No. 1025-5**)
- Cathepsin S Activity Assay Kit (**Cat. No. K144-100**)
- Cathepsin S Blocking Peptide (**Cat. No. 3366RBP-50**)
- Cathepsin S Polyclonal Antibody (**Cat. No. 3366-100**)
- Cathepsin S Polyclonal Antibody (**Cat. No. 3366R-100**)
- Cathepsin V Blocking Peptide (**Cat. No. 3712BP-50**)
- Cathepsin V Monoclonal Ab (**Cat. No. 3411-100**)
- Cathepsin V Polyclonal Ab (**Cat. No. 3712-100**)
- Cathepsin W Monoclonal Ab (**Cat. No. 3412-100**)

FOR RESEARCH USE ONLY! Not to be used on humans.