



CERTIFICATE OF ANALYSIS

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| PRODUCT NAME: | CATHEPSIN G Human |
| ACTIVITY: | Typically >1 u/ml @ 37 C |
| CAS NO: | 107200-92-0 |
| CAT. NO: | I186-10 |
| EC NO: | 3.4.21.20 |
| EXPIRATION: | 1 year |
| FORM: | Liquid 50 mM sodium acetate, pH 5.5, 0.8 M sodium chloride |
| PROTEIN: | Typically >0.25 mg protein/ml |
| PURITY: | >96% by SDS Page |
| SOURCE: | Human Neutrophil |
| STORAGE: | 2-8C |
| UNSPSC CODE: | 51131907 |

Human Cathepsin G research: Human Cathepsin G protein, a major protease released by activated human neutrophils, induces functional and morphological damage to human endothelial cells. Human Cathepsin G ref. Arteriosclerosis, Thrombosis, and Vascular Biology. 1995;15:2037-2046

Human Cathepsin G research: Inflammatory mediators modulate thrombin and cathepsin-G signaling in human bronchial fibroblasts by inducing expression of proteinase-activated receptor-4. Human Cathepsin G REF: Am J Physiol Lung Cell Mol Physiol 292: L788-L798, 2007, cathepsin.

Human Cathpsin G study: Human Cathepsin G protein is a neutral serine proteinase that exists primarily in azurophilic granules of human neutrophils, but also as a proteolytically active membrane-bound form. Human Neutrophil cathepsin G protein is important during the early inflammatory stage of wound healing. Human Cathepsin G ref. Arch Surg. 1998;133:1002-1006

Human Cathepsin G research: Serine Protease Cathepsin G Regulates Adhesion-Dependent Neutrophil Effector Functions by Modulating Integrin Clustering. Human Cathepsin G Ref: Immunity, Volume 22, Issue 6, June 2005, Pages 679-691