

Datasheet for ABIN934534
Cathepsin G Protein (CTSG)



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Overview

Quantity:	100 µg
Target:	Cathepsin G (CTSG)
Origin:	Human
Source:	Human
Protein Type:	Native
Biological Activity:	Active

Product Details

Characteristics:	<p>Purified native Human Cathepsin G protein</p> <p>Bioactivity: 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 25o C in 160 mM Tris-HCl, pH 7.4, with 1.6 M NaCl.</p> <p>Protein Source: Human neutrophils</p>
Purity:	> 95 % pure

Target Details

Target:	Cathepsin G (CTSG)
Alternative Name:	Cathepsin G (CTSG Products)
Background:	<p>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.</p>

Target Details

Description: Human neutrophils.

Molecular Weight: 23.5 Da

Pathways: [ACE Inhibitor Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with 50 mM CH₃COONa, pH 5.5, and with 150 M NaCl.

Buffer: Salt-free lyophilized solid.

Precaution of Use: 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.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.