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## 32-9256: Recombinant Human Cathepsin S/CTSS (C-6His)

Alternative Name: Cathepsin S, CTSS

## **Description**

Source: Human Cells;

Cathepsin S is a lysosomal enzyme that belongs to the papain family of cysteine proteases. This protein is expressed by antigen presenting cells including macrophages, B-lymphocytes, dendritic cells and microglia. Moreover, cathepsin S is expressed in some epithelial cells. Compared with the abundant cathepsins B, L and H, cathepsin S shows a restricted tissue distribution, with highest levels in spleen, heart, and lung. In addition, evidences indicated that cathepsin S generates A beta from amyloidogenic fragments of beta APP in the endosomal/lysosomal compartment, and is implicated in the pathogenesis of AlzheimerÂ's disease (AD) and Down Syndrome (DS).

## **Product Info**

**Amount :** 500 μg / 50 μg

Content: Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 10% Glycerol, pH 5.5.

Amino Acid: Recombinant Human Cathepsin S is produced by our Mammalian expression system and the

target gene encoding Gln17-Ile331 is expressed with a 6His tag at the C-terminus.