

## 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 Alzheimer'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.