

## 32-7367: Recombinant Human Cathepsin S/CTSS (C-6His)(Discontinued)

**Gene :** CTSS  
**Gene ID :** 1520  
**Uniprot ID :** P25774

### Description

Source: Human Cells.  
MW :36.89kD.

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. 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 :** 10 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 10% Glycerol, pH 5.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** QLHKDPTLDHHWHLWKKTYGKQYKEKNEEAVRRLIWEKNLKFVMLHNLHSMGMHSYDLGMNHLGDMTSE  
EVMMLMSSLRVPSQWQRNITYKSNPNWILPDSVDWREKGCVTEVKYQGSCGACWAFSAVGALEAQLKLTGK  
LVLSAQNLVDCSTEKYGNGKCNNGFMTTAFQYIIDNKGIDSDASYPKAMDQKCQYDSKYRAATCSKYTELPY  
GREDVLKEAVANKGPVSVGVDARHPSFFLYRSGVYYEPSCTQNVNHGVLVVGYGDLNGKEYWLKNSWGHN  
FGEGYIRMARNKGNHCGIASFSPYPEIVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.