

## 32-7392: Recombinant Human Cathepsin Z/CTSZ (C-6His)

**Gene :** CTSZ  
**Gene ID :** 1522  
**Uniprot ID :** Q9UBR2

### Description

Source: Human Cells.  
MW :32.51kD.

Recombinant Human Cathepsin Z is produced by our Mammalian expression system and the target gene encoding Gly24-Val303 is expressed with a 6His tag at the C-terminus. Cathepsin Z is a lysosomal cysteine proteinase and belongs to the peptidase C1 family. Human Cathepsin Z contains a signal sequence, a propeptide and a mature chain. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. In contrast to cathepsin B, it does not act as an endopeptidase. Cathepsin Z is restricted to the cells of the immune system, predominantly monocytes, macrophages and dendritic cells. It is expressed ubiquitously in cancer cell lines and primary tumors. Like other members of this family, Cathepsin Z may be involved in tumorigenesis.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** GLYFRRGQTCYRPLRGDGLAPLGRSTYPRPHEYLSPADLPKSWDWRNVDGVNYASITRNQHIPP  
YCGSCWAHASTSAMADRINIKRKGAWPSTLLSVQNVIDCGNAGSCEGGNDLSVWDYAHQHGP  
ETCNQYQAKDQECDFNQCGTCNEFKECHAIRNYTLWRVGDYGSLSGREKMMAEIYANGPISCGI  
MATERLANYTGGIYAEYQDTTYINHVVSVAGWGSDGTEYWIVRNSWGEPWGERGWLRIVTSTYK  
DGKGARYNLAIEEHCTFGDPIVDHHHHHH

### Application Note

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