

## 32-7414: Recombinant Human Cathepsin L2/CTSL2 (C-6His)

**Gene :** CTSV  
**Gene ID :** 1515  
**Uniprot ID :** O60911

### Description

Source: Human Cells.  
MW :36.69kD.

Recombinant Human Cathepsin L2 is produced by our Mammalian expression system and the target gene encoding Val18-Val334 is expressed with a 6His tag at the C-terminus. Cathepsin L2 belongs to the Peptidase C1 family. Cathepsin L2 can be autocatalytically converted to the mature form as a proenzyme in lysosomes at pH=7.0. Cathepsin L2 cannot be expressed in normal mammary gland, colon and peritumoral tissue, but it can be expressed in breast carcinomas and colorectal tissues. These suggests Cathepsin L2 may play a role in tumor processes. Cathepsin L2 is specifically expressed in the testis, thymus, and corneal epithelium.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** VPKFDQNLDTKQYQWKATHRRLYGANEEGWRRRAVWEKNMKMIELHNGEYSQKGHGFTMAMNAFGDMTNE  
EFRQMMGCFRNQKFRKGGKVFREPLFLDLPKSVDRKKGYYTPVKNQKQCGSCWAFSATGALEGQMFRKTGK  
LVSLSEQNLVDCSRPQGNQGCNGGFMAAFQYVKENGGLDSEESYPYVAVDEICKYRPENSVANDTGFTVVA  
PGKEKALMKAVATVGPISVAMDAGHSSFQFYKSGIYFEPDCSSKNLDHGVLVVGYPGEGANSNNSKYWLKNS  
WGPEWGSNGYVKIAKDKNNHCGIATAASYPNVVDHHHHH

### Application Note

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