

## Product datasheet for TP527342

### Ctsb (NM\_007798) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse cathepsin B (Ctsb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species:                              | Mouse   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >MR227342 representing NM_007798<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                                      |

MWWSLILLSCLLAL TSAHDKPSFHPLSDDLIN YINKQNTTWQAGRN FYNVDISYLK KLCGTVLGGPKLPG  
RVAFGEDIDLPE TFDAREQWSNCPTIGQIRDQ GSCGSCWAFGAVEAISDR TC IHTNGRVNVEVSAEDLLT  
CCGIQCGDGCNGGYP SGAWSFWT KGLVSGGVYNSHV GCLPYTIPPCEHHVNGSRPPCTGEGDTPRCNK S  
CEAGYSPSYKEDKHFGYTSYSVSN SVKEIMAEIYKNGPVEGAFTVFSDFLYTKSGVYKHEAGDMMGGHAI  
RILGWGVENGVPYWLAANSWNLDWGDNGFFKILRGENHCGIESEIVAGIPRTDQYWGRF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-MYC/DDK  |
| Predicted MW:  | 37.7 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C after receiving vials.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_031824</a>  |
| Locus ID:      | 13030  |
| UniProt ID:    | <a href="#">P10605</a>   |



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RefSeq Size: 4756

Cytogenetics: 14 33.24 cM

RefSeq ORF: 1017

Synonyms: CB

**Summary:** This gene encodes a member of the peptidase C1 family and preproprotein that is proteolytically processed to generate multiple protein products. These products include the cathepsin B light and heavy chains, which can dimerize to generate the double chain form of the enzyme. This enzyme is a lysosomal cysteine protease with both endopeptidase and exopeptidase activity that may play a role in protein turnover. Homozygous knockout mice for this gene exhibit reduced pancreatic damage following induced pancreatitis and reduced hepatocyte apoptosis in a model of liver injury. Pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Aug 2015]