

## Product datasheet for TP507379

### Ctsc (NM\_009982) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cathepsin C (Ctsc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207379 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGPWTHSLRAVLLLVLGVC TVRS DTPANCTYPDLLGTWVFQV GPRSSRSDINCSVMEATEEKVWHLKK LDTAYDELGNSGHFTLIYNQGF EIVLNDYKWF AFFKYEV RGHTAISYCHETMTGWVHDV LGRNWACFVGK KVESHIEKVMNAAHLGGLQERYSERLYTHNHNFK AINTVQKSWTATAYKEYEKMSLRDLIRRS GHSQR IPRPKPAPMTDEIQQQILNLPESWDWRNVQGV NYVSPVRNQESC GSCYSFASMGMLEARIRILT NNSQTP ILSPQEVWSCSPYAQGC DGGFPYLIAGKYA QDFGWEE SCFPYTA KDSPCKPRENCLRYSSD YYYVGGF YGGCNEALMKLELVKHGPM AFAFEVHDDFLHYHSGIYHHTGLSDP FNPFE LTNHAVLLVGYGRDPVTGIE YWIINKSWGSNWGESGYFRIRRG TDECAIESIAVA AIPK L</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	52.4 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_034112</a>
Locus ID:	13032



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UniProt ID: [P97821](#), [Q3UBY5](#), [Q8BQL3](#)

RefSeq Size: 2472

Cytogenetics: 7 D3

RefSeq ORF: 1389

Synonyms: AI047818; CatC; D; DP; DPP1; DPPI

**Summary:** This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the dipeptidyl peptidase 1 light, heavy, and exclusion domain chains, which together comprise one subunit of the homotetrameric enzyme. This enzyme has amino dipeptidase activity and may play a role in the activation of granzymes during inflammation. Homozygous knockout mice for this gene exhibit impaired granzyme activation and enhanced survival in a sepsis model. [provided by RefSeq, Aug 2015]