

Product datasheet for **TP507589**

Ctsa (NM_001038492) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cathepsin A (Ctsa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR207589 protein sequence
Clone or AA	Red=Cloning site Green=Tags(s)
Sequence:	<p>MPGTALSPLLLLLLSWASRNEAAPDQDEIDCLPGLAKQPSFRQYSGYLRASDSKHFHYWFVESQNDPKN SPVVLWLNGGPGCSSLDGLLTHGPFLLIQPDGVTLEYNPYAWNLIANVLYIESPAGVGFYSDDKMYVTN DTEVAENNYEALKDFFRLFPEYKDNKFLTGESYAGIYIPTLAVLVMQDPSMNLQGLAVGNGLASYEQND NSLVYFAYYHGLLGNRLWTSLSQTHCCAQNKCIFYDNKDPECVNNLLEVSRIVGKSGLNINLYAPCAGGV PGRHRYEDTLVVQDFGNIFTRLPLKRRFPEALMRSGDKVRLDPPCTNTTAPSNYLNPNPYVRKALHIPESL PRWDMCNFLVNLQYRRLYQSMNSQYLKLLSSQKYQILLYNGDQVDMACNFMGDEWFVDSLNLQKMEVQRRPW LVDYWESGEQVAGFVKECSHITFLTIKGAGHVMVPTDKPRAAFTMFSRFLNKEPY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	54 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:	<u>NP_001033581</u>
Locus ID:	19025



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UniProt ID: [P16675](#), [Q544R6](#), [Q9D2D1](#)

RefSeq Size: 3548

Cytogenetics: 2 85.27 cM

RefSeq ORF: 1425

Synonyms: AU019505; P; Pp; PPCA; Ppgb

Summary: This gene encodes a glycoprotein with deamidase, esterase and carboxypeptidase activities. The encoded protein associates with and provides a protective function to the lysosomal enzymes beta-galactosidase and neuraminidase. Deficiency of the related gene in humans results in galactosialidosis. The proprotein is processed into two shorter chains. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]