

## Product datasheet for TP510127

### Capn2 (NM\_009794) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse calpain 2 (Capn2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR210127 representing NM_009794
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAGIAIKLAKDREAAEGLGSHERAIKYLNQDYETLRNECLEAGALFQDPSFPALPSSLGKELGPYSSKT  
RGIEWKRPTAICADPQFIIGGATRTDICQGALGDCWLLAAIASLTLNNEILARVPPDQSFQENYAGIFH  
FQFWQYGEWVEVVDDRLPTKDGELLFVHSAEGSEFWSALLEKAYAKINGCYEALSGGATTEGFEDFTGG  
IAEWYELRKPNNLKFIIQKALEKGSLLGCSIDITSAADSEAVTYQKLVKGHAYSVTGAEVESSGSLQK  
LIRIRNPWGQVEWTGKWNDCPSWNTVDPEVRANLTERQEDGEFWMFSDFLRHYSRLEICNLTPDTLTC  
DSYKKWKLTKMDGNWRRGSTAGGCRNYPNTFWMNPQYLIKLEEEDEDEEDGERGCTFLVGLIQKHHRRRQR  
KMGEDMHTIGFGIYEVPEELTGQTNHLGKNFFLTTRARERSDTFINLREVLNRFKLPPEYVLPSTFE  
PHKGDGFCIRVFSEKKADYQAVDDEIEANIEEIDANEEDIDDGFRRLFVQLAGEDAEISAFELQTLRRV  
LAKRQDIKSDGFSIETCKIMVMDLDEDEGSGKLGKLFYILWTKIQKYQKIYREIDVDRSGTMNSYEMRKA  
LEEAGFKLPCQLHQVIVARFADDELIIDFDNFVRCLVRLETFLKIFKQLDPENTGTIQLNLASWLSFSVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

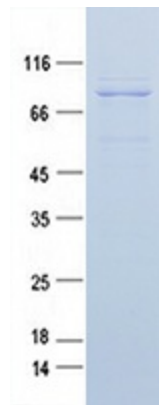
Tag:	C-MYC/DDK
Predicted MW:	80.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before 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.



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RefSeq:	<u>NP_033924</u>
Locus ID:	12334
UniProt ID:	<u>O08529</u>
RefSeq Size:	3205
Cytogenetics:	1 H5
RefSeq ORF:	2100
Synonyms:	AI326419; Capa-2; Capa2; m-calpain; m-calpin
Summary:	Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. Proteolytically cleaves MYOC at 'Arg-226' (By similarity). Proteolytically cleaves CPEB3 following neuronal stimulation which abolishes CPEB3 translational repressor activity, leading to translation of CPEB3 target mRNAs (PubMed:22711986).[UniProtKB/Swiss-Prot Function]

### Product images:



Purified recombinant protein Capn2 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.