

## Product datasheet for TP519341

### Capns2 (NM\_027112) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse calpain, small subunit 2 (Capns2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  |
| Species:                              | Mouse   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >MR219341 representing NM_027112<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)<br><br>MFLAKAILEGADRGLGGALGGLLGGGGQARAGGGNIGGILGGIVNFISEAAAAQYTPPEPPPPQQHFTWVE<br>ASESEEVRRFRQQFTQLAGPDMEVGATDLMNINLVLSKHKELKTEGFSLDTCRSIVSVMDSDTTGKLGF<br>EEFKYLWNNIKKWQCVFKQYDSHSGSLGSSQLHGAMQAAGFQLNEQLYLMIVRRYADEDDGGMDFNN<br>FIS<br>CLVRLDAMFRAFKALDRDRDGLIQVSIREWLQLTMYS<br><br><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b> |
| Tag:                                  | C-MYC/DDK   |
| Predicted MW:                         | 27.6 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_081388</a>   |
| Locus ID:                             | 69543   |
| UniProt ID:                           | <a href="#">Q9D7J7</a>  |


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|               |  |
|---------------|--|
| RefSeq Size:  | 1015   |
| Cytogenetics: | 8 C5   |
| RefSeq ORF:   | 741  |
| Synonyms:     | 30K-2; 2310005G05Rik   |
| Summary:      | Calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodeling and signal transduction. This small subunit may act as a tissue-specific chaperone of the large subunit, possibly by helping it fold into its correct conformation for activity (By similarity).[UniProtKB/Swiss-Prot Function] |