

## Recombinant Mouse Capn2 Protein, GST-tagged

**Cat. No.** Capn2-362M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Mouse Capn2 Protein (Glu33-Thr344) with N-GST tag was expressed in E. coli.   |
| <b>Species</b>          | Mouse   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Glu33-Thr344  |
| <b>Description</b>      | Enables calcium-dependent cysteine-type endopeptidase activity. Involved in cellular response to amino acid stimulus and proteolysis. Acts upstream of or within blastocyst development and myoblast fusion. Located in several cellular components, including chromatin; cytosol; and lysosome. Is expressed in several structures, including hindbrain; lens epithelium; oral region epithelium; skin; and spinal cord floor plate. Orthologous to human CAPN2 (calpain 2). |
| <b>Form</b>             | Freeze-dried powder   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 64.9 kDa<br>Accurate Molecular Mass: 65 kDa   |
| <b>Purity</b>           | > 90%   |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.  |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |  |
|-----------------------|--|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.   |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.   |
| <b>Reconstitution</b> | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | Capn2 calpain 2 [ Mus musculus (house mouse) ]   |
| <b>Official Symbol</b> | Capn2  |
| <b>Synonyms</b>        | CAPN2; calpain 2; calpain-2 catalytic subunit; CALP80; CANP 2; calpain M-type; millimolar-calpain; cysteine proteinase; calpain-2 large subunit; m-calpain large subunit; 80 kDa M-calpain subunit; m-calpain 80 kDa large subunit; calcium-activated neutral proteinase 2; Capa2; Capa-2; AI326419; m-calpin; m-calpain |
| <b>Gene ID</b>         | 12334  |
| <b>mRNA Refseq</b>     | NM_009794  |
| <b>Protein Refseq</b>  | NP_033924  |
| <b>UniProt ID</b>      | O08529   |

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