Recombinant Mouse Capn2 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Capn2 Protein (Glu33-Thr344) with N-GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu33-Thr344
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 64.9 kDa Accurate Molecular Mass: 65 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Capn2 calpain 2 [Mus musculus (house mouse)]
Official Symbol	Capn2
Synonyms	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
Gene ID	12334
mRNA Refseq	NM_009794
Protein Refseq	NP_033924
UniProt ID	O08529

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