

## Recombinant Mouse Capn1 protein, His-tagged

Cat. No. Capn1-2030M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Capn1 aa. (Tyr387~Asp694 (Accession # O35350)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Tyr387~Asp694
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 37.5kDa
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 5.9.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<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°C 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.

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<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	Capn1 calpain 1 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Capn1
<b>Synonyms</b>	Capa1; Capa-1; mu-calpin; CANP 1; calcium-activated neutral proteinase 1; calpain mu-type; calpain-1 large subunit; micromolar-calpain; mu-calpain; muCANP; calpain-1 catalytic subunit
<b>Gene ID</b>	12333
<b>mRNA Refseq</b>	NM_001110504.1
<b>Protein Refseq</b>	NP_001103974.1
<b>UniProt ID</b>	O35350

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