

Recombinant Mouse Capn1 protein, His-tagged

Cat. No. Capn1-2630M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Capn1 protein(O35350)(1-713aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-713aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	86.1 kDa
AA Sequence	MTEELITPVYCTGVSAQVQKKRDKELGLGRHENAIKYLGDYETLRARCLQSGVLFQ DEAFPPVSHSLGFKELGPHSSKTYGIKWKRPTELMSNPQFIVDGATRTRDQCQALGD CWLLAAIASLTLNETILHRVVPYQGQSFQDGYAGIFHFQLWQFGWVDVVIDDLLPTK DGKLVFVHSAQGNFWSALLEKAYAKVNGSYEALSGGCTSEAFEDFTGGVTEWYD LQKAPSDLYQIILKALERGSLGCSINISDIRDLEAITFKNLVRGHAYSVTGAKQVTYQ GQRVNLIRMRNPWGEVEWKGPWSDSSYEWNKVDPYEREQLRVKMEDGEFWMSF RDFIREFTKLEICNLTPDALKSRTLNRNWNNTTFYEGTWRRGSTAGGCRNYPATFWVN PQFKIRLEEVDADDYDNRESGCSFLLALMQKHRRRERRFRGRDMETIGFAVYQVPR ELAGQPVHLKRDFFLANASRAQSEHFINLREVSNRIRLPPGEYIVVPSTFEPNKEGDF

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LLRFFSEKKAGTQELDDQIQANLPDEKVLSEEEIDDNFKTLFSKLAGDDMEISVKELQ
 TILNRIISKHKDLRTNGFSLESCRSVMNLMDRDGNGKLGLEFVNILWNRIRNYLTIFRK
 FDLDKSGSMSAYEMRMAIEAAGFKLNKKLHELIITRYSEPD LAVDFDNFVCCLVRLET
 MFRFFKLLDLDGVTDFDLFKWLQLTMFA

Purity Greater than 90% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name [Capn1 calpain 1 \[Mus musculus \]](#)

Official Symbol [Capn1](#)

Synonyms CAPN1; calpain 1; calpain-1 catalytic subunit; CANP 1; muCANP; mu-calpain; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calcium-activated neutral proteinase 1; Capa1; Capa-1; mu-calpin;

Gene ID [12333](#)

mRNA Refseq [NM_001110504](#)

Protein Refseq [NP_001103974](#)

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