

Recombinant Mouse Capn5 protein, His & T7-tagged

Cat. No. Capn5-8174M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Capn5 aa. (Leu26~Ile343 (Accession# O08688)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Leu26~Ile343
Description	The protein encoded by this gene is a member of the calpain family of proteins. Unlike many members of the calpain gene family, this gene lacks a calmodulin-like domain, required for calcium binding. Mouse models for Huntington's disease displayed increased levels of the protein encoded by this gene. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.2.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

Gene Name	Capn5 calpain 5 [Mus musculus (house mouse)]
Official Symbol	Capn5
Synonyms	nCL-3; new calpain 3; calpain-5
Gene ID	12337
mRNA Refseq	NM_001301250.1
Protein Refseq	NP_001288179.1

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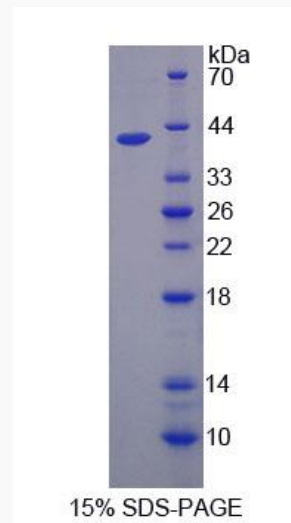
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UniProt ID

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SDS-PAGE

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