Recombinant Rat Capn1 protein, His-tagged

Cat. No. Capn1-585R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Capn1 (P97571) aa. (Pro75~Asp356) fused with His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Pro75~Asp356
Description	Calcium-dependent protease that may be involved in experimental allergic encephalomyelitis (EAE).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.5kDa; Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.
Purity	>95%
Characteristic	Isoelectric point is 5.3.
Applications	Cell culture; Activity Assays.
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°C for 48h,

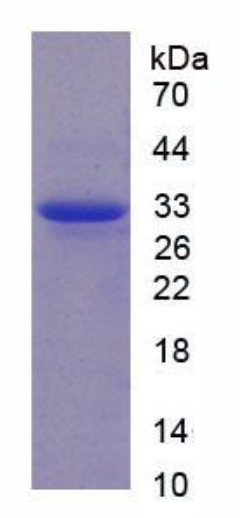
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	and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl and 5% trehalose.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	Capn1 calpain 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Capn1
Synonyms	Capn1; calpain 1; calpain-1 catalytic subunit; CANP 1; calcium-activated neutral proteinase 1; calpain 1, (mu/I) large subunit; calpain mu-type; calpain-1 large subunit; micromolar-calpain; muCANP
Gene ID	29153
mRNA Refseq	NM_019152.2
Protein Refseq	NP_062025.1
UniProt ID	P97571

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SDS-PAGE	

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