

Recombinant Calpain 1 (CAPN1) Instruction Manual

SIPB286Ra01

Rattus norvegicus (Rat)

| | |
|---------------------------------|---|
| Source | Prokaryotic expression |
| Host | E.coli |
| Endotoxin Level | <1.0EU per 1µg (determined by the LAL method) |
| Subcellular Location | Membrane, Cytoplasm |
| Predicted Molecular Mass | 33.5kDa |
| Accurate Molecular Mass | 33kDa(Analysis of differences refer to the manual) |
| Residues & Tags | Pro75~Asp356 with N-terminal His Tag |
| Buffer Formulation | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Traits | Freeze-dried powder |
| Purity | > 95% |
| Isoelectric Point | 5.7 |
| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |

SEQUENCE

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PNSSKT YGIKWKRPTE LLSNPQFIVD  
GATRTDICQG ALGDCWLLAA IASLTLNETI LHRVVPYGQS FQEGYAGIFH  
FQLWQFGEWV DVVVDDLLPT KDGKLVFVHS AQGNEFWSAL LEKAYAKVNG  
SYEALSGGCT SEAFEDFTGG VTEWYDLQKA PSDLYQIILK ALERGSLLGC  
SINISDIRDL EAITFKNLVR GHAYSVTDK QVTYQGQRVN LIRMRNPWGE  
VEWKGWSDN SYEWNKVDPY EREQLRVKME DGEFWMSFRD FIREFTKLEI  
CNLTPD
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USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

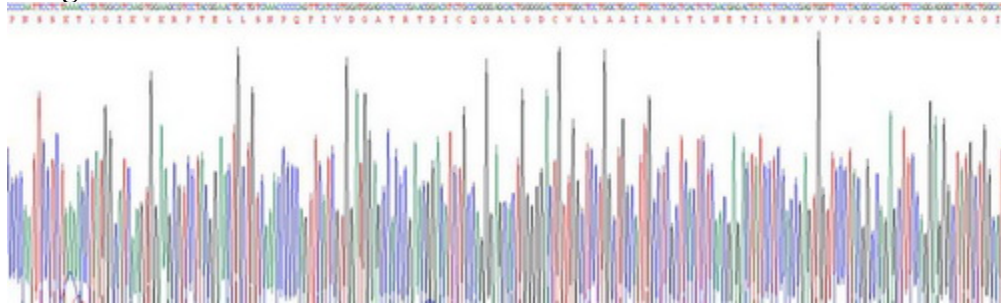
STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image



SDS-PAGE Image

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.