

RPB964Hu01 10µg

**Recombinant Calpain 1 (CAPN1)** 

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)



# [PROPERTIES]

**Source:** Prokaryotic expression

Host: E.coli

Residues: Pro75~Arg343

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm

**Purity:** > 95%

Traits: Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 5.5

Predicted Molecular Mass: 31.6kDa

**Accurate Molecular Mass:** 32kDa as determined by SDS-PAGE reducing conditions.

#### [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

#### [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

### [ SEQUENCE ]

```
PNSSKT YGIKWKRPTE LLSNPQFIVD
GATRTDICQG ALGDCWLLAA IASLTLNDTL LHRVVPHGQS FQNGYAGIFH
FQLWQFGEWV DVVVDDLLPI KDGKLVFVHS AEGNEFWSAL LEKAYAKVNG
SYEALSGGST SEGFEDFTGG VTEWYELRKA PSDLYQIILK ALERGSLLGC
SIDISSVLDM EAITFKKLVK GHAYSVTGAK QVNYRGQVVS LIRMRNPWGE
VEWTGAWSDS SSEWNNVDPY ERDQLRVKME DGEFWMSFRD FMR
```

### [ IDENTIFICATION ]

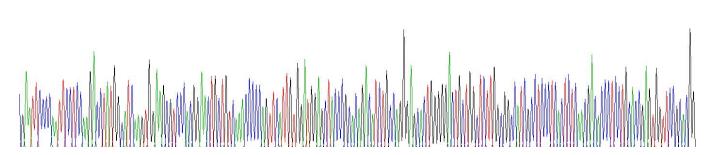


Figure . Gene Sequencing (extract)

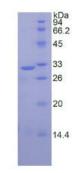


Figure. SDS-PAGE

# [ 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.