

RPC961Hu01 10µg

Recombinant Calpain 5 (CAPN5)

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: Phe2~Asn344

Tags: N-terminal His and GST Tag

Subcellular Location: Cytoplasm, Extracellular matrix

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 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: 5.8

Predicted Molecular Mass: 69.4kDa

Accurate Molecular Mass: 70kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) 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]

FSCVKPYED QNYSALRRDC RRRKVLFPED LFPATDDSLY YKGTPGPAVR
WKRPKGICED PRLFVDGISS HDLHQGVGN CWFVAACSSL ASRESLWQKV
IPDWKEQWD PEKPNAYAGI FHFHFWRFE WDVVIDDRL PTVNNQLIYC
HSNSRNEFWC ALVEKAYAKL AGCYQALDGG NTADALVDFT GGVSEPIDLT
EGDFANDETK RNQLFERMLK VHSRGGGLISA SIKAVTAADM EARLACGLVK
GHAYAVTDVR KVRLGHGLLA FFKSEKLDMI RLRNPWGERE WNGPWSDTSE
EWQKVSER EKMGTVQDD GEFWMTFEDV CRYFTDIKC RVIN

[IDENTIFICATION]

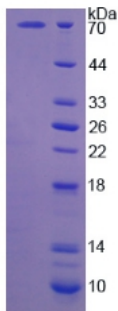


Figure. SDS-PAGE

[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.