RPF255Hu01 10μg

Recombinant Calpain 6 (CAPN6)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Leu26~Arg495

Tags: N-terminal His-Tag

Tissue Specificity: Placenta.

Subcellular Location: Cytoplasm, perinuclear region, cytoskeleton, spindle.

Purity: >98%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

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: 5.9

Predicted Molecular Mass: 58.7kDa

Accurate Molecular Mass: 59kDa 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]

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                                        LFCDP TFLPENDSLF YNRLLPGKVV
WKRPQDICDD PHLIVGNISN HQLTQGRLGH KPMVSAFSCL AVQESHWTKT
IPNHKEQEWD PQKTEKYAGI FHFRFWHFGE WTEVVIDDLL PTINGDLVFS
FSTSMNEFWN ALLEKAYAKL LGCYEALDGL TITDIIVDFT GTLAETVDMQ
KGRYTELVEE KYKLFGELYK TFTKGGLICC SIESPNQEEQ EVETDWGLLK
GHTYTMTDIR KIRLGERLVE VFSAEKVYMV RLRNPLGRQE WSGPWSEISE
EWQQLTASDR KNLGLVMSDD GEFWMSLEDF CRNFHKLNVC RNVNNPIFGR
KELESVLGCW TVDDDPLMNR SGGCYNNRDT FLQNPQYIFT VPEDGHKVIM
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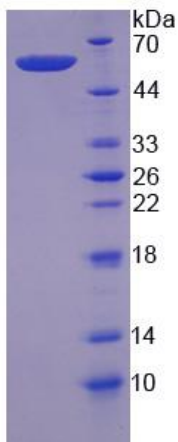
[IDENTIFICATION]

Figure 1. SDS-PAGE