

Recombinant Calpain 2 (CAPN2)

Instruction Manual

SIPC953Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Cytoplasm
Predicted Molecular Mass	57.4kDa
Accurate Molecular Mass	57kDa(Analysis of differences refer to the manual)
Residues & Tags	Leu45~Asp514 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	5.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

LFQDPS
FPAIPSALGF KELGPYSSKT RGIIEWKRPT ICADPQFIIG GATRTDICQG
ALGDCWLLAA IASLTLNEEI LARVVPLNQS FQENYAGIFH FQFWQYGEWV
EVVVDDRLPT KDGELLFVHS AEGSEFWSAL LEKAYAKING CYEALSGGAT
TEGFEDFTGG IAEWYELKKP PPNLFKIIQK ALQKGSLLGC SIDITSAADS
EAITFQKLVK GHAYSVTGAE EVESNGSLQK LIRIRNPWGE VEWTGRWNDN
CPSWNTIDPE ERERLTRRHE DGEFWMSFSD FLRHYSRLEI CNLTPDTLTS
DTYKKWKLTK MDGNWRRGST AGGCRNYPNT FWMNPQYLIK LEEDEDEED
GESGCTFLVG LIQKHHRRQR KMGEDMHTIG FGIYEVPEEL SQQTNIHLSK
NFFLTNRARE RSDTFINLRE VLNRFKLPPG EYILVPSTFE PNKDGDFCIR
VFSEKKADYQ AVDD

USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

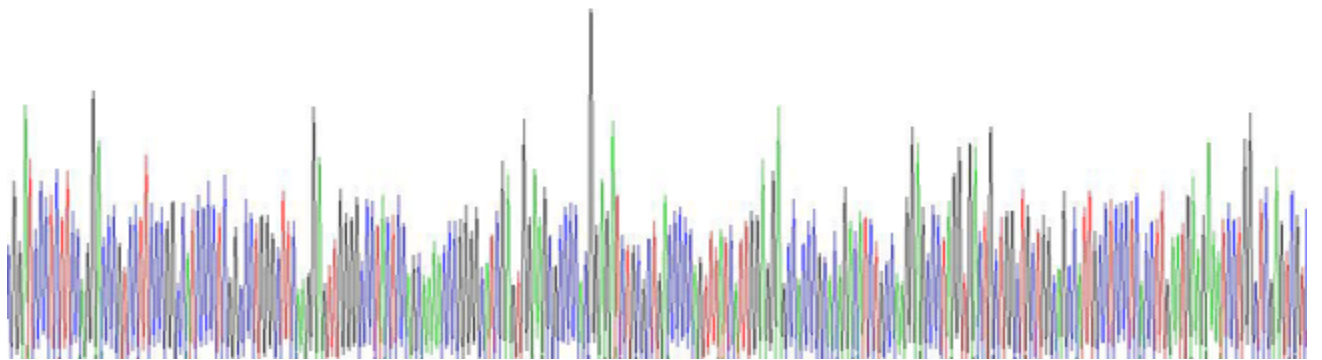
STORAGE

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.

