RPC963Hu01 50μg

Recombinant Calpain 10 (CAPN10)

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: Thr322~Gln654

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 150μg/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: 9.6

Predicted Molecular Mass: 40.2kDa

Accurate Molecular Mass: 40kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH_2O to a concentration of 0.1-0.2 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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]

TEAGHLQSL YTERLLCHTR ALPGAWVKGQ
SAGGCRNNSG FPSNPKFWLR VSEPSEVYIA VLQRSRLHAA DWAGRARALV
GDSHTSWSPA SIPGKHYQAV GLHLWKVEKR RVNLPRVLSM PPVAGTACHA
YDREVHLRCE LSPGYYLAVP STFLKDAPGE FLLRVFSTGR VSLSAIRAVA
KNTTPGAALP AGEWGTVQLR GSWRVGQTAG GSRNFASYPT NPCFPFSVPE
GPGPRCVRIT LHQHCRPSDT EFHPIGFHIF QVPEGGRSQD APPLLLQEPL
LSCVPHRYAQ EVSRLCLLPA GTYKVVPSTY LPDTEGAFTV TIATRIDRPS
IHSQ

[IDENTIFICATION]

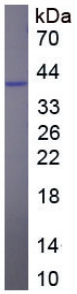

Figure. SDS-PAGE

[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.