

Recombinant Calpain 2 (CAPN2)

Catalog No.: TP11650

100µg

Sequence Information

Species: Human

Gene ID:824

Swiss Prot:P17655

Synonyms:CANPL2; CANPml; mCANP;

Calpain-2 Catalytic Subunit;

Calcium-activated neutral proteinase 2;

Calpain M-type; Calpain large

polypeptide L2; Millimolar-calpain;

Calpain 2, Large Subunit

Residues:Leu45-Asp514

LFQDPSFPAIPSA LGFKE LGPYSSKTRGIEWKRPT EICADPQFIIGGATRTDIC
QGALGDCWLLAAIASLTLNEEILARVVPLNQSFQENYAGIFHFQFWQYGEWVEV
VVDRLPTKDGELLFVHSAEGSEFWSALLEKAYAKINGCYEALSGGATTEGFED
FTGGIAEWYELKKPPPNLFKIIQKALQKGSLLGCSIDITSAADSEAITFQKLVK
GHAYSVTGAEEVESNGSLQKLIRIRNPWGEVEWTGRW DNCPSWNTIDPEERER
LTRRHEDGEFWMSFSDFLRHYSRLEICNLTPDTLTSDTYKKWKLTKMDGNWRRG
STAGGCRNYPNTFWMNPQYLIKLEEEDEDEEDGESGCTFLVGLIQKHRRRQRKM
GEDMHTIGFGIYEVPEELSGQTNIHLSKNFFLTNRARERSDTFINLREVLNRFK
LPPGEYILVPSTFEPNKDGF CIRVFSEKKADYQAVDD

Product Information

Source: Recombinant expression.

Host: *E.coli*

Tags: N-terminal His Tag

Subcellular Location: Cytoplasm, Cell membrane.

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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: 5.0

Predicted Molecular Mass: 57.4kDa

Accurate Molecular Mass: 57kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 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.

[IDENTIFICATION]

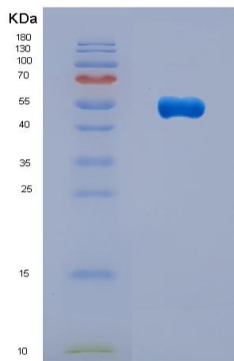


Figure 1. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.