

RPC234Ra01 200µg

Recombinant Cortactin (CTTN)

Organism Species: *Rattus norvegicus* (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Gln509

Tags: N-terminal His Tag

Subcellular Location: Membrane, Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 100µg/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: 4.9

Predicted Molecular Mass: 60.6kDa

Accurate Molecular Mass: 76kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affect the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in ddH₂O 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]

MWKASAGHAV SITQDDGGAD DWETDPDFVN DVSEKEQRWG AKTVQGSQHQ
EHINIHKLRE NVFQEHQTLK EKELETGPKA SHGYGGKFGV EQDRMDKSAV
GHEYQSKLSK HCSQVDSVRG FGGKFGVQMD RVDQSAVGFE YQGKTEKHAS
QKDYSSGFGG KYGVQADRVD KSAVGFYQGG KTEKHESQKD YSKGFGGKYG
IDKDKVDKSA VGFEYQGGKTE KHESQKDYVK GFGGKFGVQT DRQDKCALGW
DHQEKLQLHE SQKDYAKGFG GKYGVQKDRM DKNASTFEV VQVPSAYQKT
VPIEAVTSKT SNIRANFENL AKEREQEDRR KAEAERAQRM AQERQEQEEA
RRKLEEQARA KKQTPPASPS PQPAEDRPPS SPIYEDAAPL KAEPSYGSSE
PEPEYSTEAA GLPEASNQQG LAYTSEPVYE TTEVPGHYQA EDDTYDGYES
DLGITAIALLY DYQAAGDDEI SFDPPDVITN IEMIDDGWWR GVCKGRYGLF
PANYVELRQ

[IDENTIFICATION]

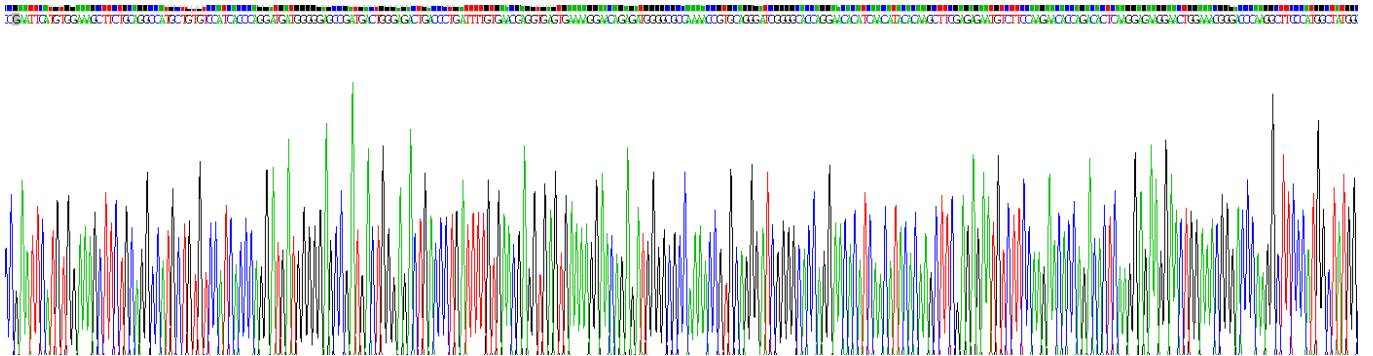
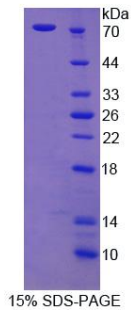


Figure . Gene Sequencing (extract)



[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.