YBC234Ra01 100μg

Recombinant Cortactin (CTTN)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Met1~Gln509

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q66HL2

Host: *E. coli*

Purity: >90%

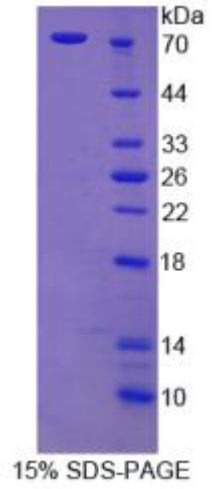
Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).

Formulation: Supplied as lyophilized form in PBS pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Predicted isoelectric point: 5.1

Predicted Molecular Mass: 60.6kDa

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



15% SDS-PAGE

Applications: SDS-PAGE; WB; ELISA; IP.

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

(May be suitable for use in other assays to be determined by the end user.)

Note:

1. **Splice variants: Alternative splicing may create different sized proteins from the same gene.**
2. **Relative charge: The composition of amino acids may affects 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 sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8^{o}C for one month.

Aliquot and store at -80^{o}C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37^{o}C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

MW K A S A G H AV SI T Q D D G G A D DW E T D P D F V N DV S E K E Q RW G AK T V Q G S G H Q EHINIHKLRE NVFQEHQTLK EKELETGPKA SHGYGGKFGV EQDRMDKSAV GHEYQSKLSK HC S Q V D S V R G FG G K F G V Q M D RV D Q S AV G F E YQ G K T E K H A S QK D Y S S G F G G K Y G V Q A D R V D K S AV G F D Y Q G K T E K H E S Q K D Y S K G F G G K Y G I D K D K V D K S A VG F E Y Q G K T E KH E S Q K D Y V K G F G G K F G V Q T DR Q D K C A L G W DH Q E K L Q L H E SQKDYAKGFG GKYGVQKDRM DKNASTFEEV VQVPSAYQKT VPIEAVTSKT SNIRANFENL A K E R E Q E D R R K A E A E R A Q R M A Q E R Q E Q E E A R R K L E E Q A R A KK Q T P PA S P S PQPAEDRPPS SPIYEDAAPL KAEPSYGSSE PEPEYSTEAA GLPEASNQQG LAYTSEPVYE TTEVPGHYQA EDDTYDGYES DLGITAIALY DYQAAGDDEI SFDPDDVITN IEMIDDGWWR GVCKGRYGLF PANYVELRQ