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YBB340Mi01 50µg
Recombinant Actin Beta (ACTb)
Organism Species: Multi-species
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Met1~Phe375

Tags: N-terminal His-Tag

Subcellular Location: Cytoplasm, **cytoskeleton.**

Purity: >92%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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

Predicted isoelectric point: 5.6

Predicted Molecular Mass: 43.3kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

Note: 100% cross-reactivity of ACTb was observed among human, mouse, rat, cavia, ovine, canine, porcine, equine, gallus, and bovine.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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]

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MDDIAALVV DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK
DSYVGDEAQS KRGILTLYKYP IEHGIVTNWD DMEKIWHHTF YNELRVAPEE
HPVLLTEAPL NPKANREKMT QIMFETFNTF AMYVAIQAVL SLYASGRITG
IVMDSGDGVT HTVPIYEGYA LPHAILRLDL AGRDLTDYLM KILTERGYSF
TTTAEREIVR DIKEKLCYVA LDFAQEMATA ASSSLEKSY ELPDQGVITI
GNERFRCPEA LFQPSFLGME SCGIHETTFN SIMKCDVDIR KDLYANTVLS
GGTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGSILASLS
TFQQMWISKQ EYDESGPSIV HRKCF
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[IDENTIFICATION]

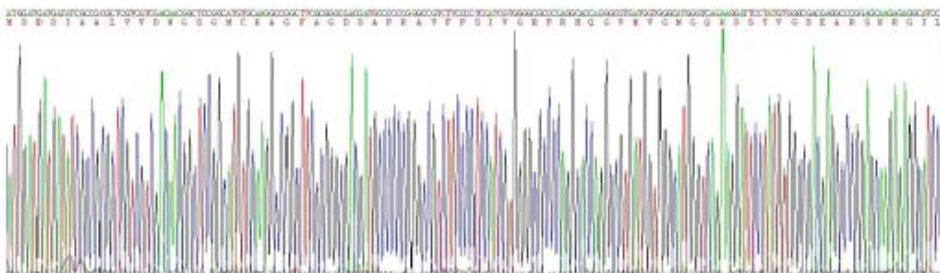


Figure 1. Gene Sequencing (Extract)

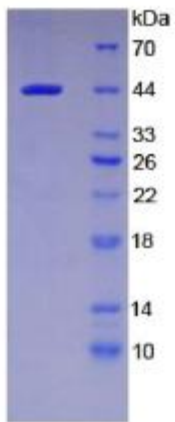


Figure 2. SDS-PAGE



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