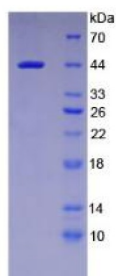
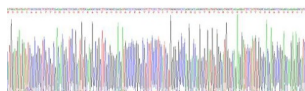


Actin, Cytoplasmic 1 (ACTB) Protein

Catalogue No.: abx166379



SDS-PAGE analysis of recombinant Actin, Cytoplasmic 1 (ACTB) Protein.



Gene sequencing extract of recombinant Actin, Cytoplasmic 1 (ACTB) Protein.

Actin, Cytoplasmic 1 (ACTB) Protein is a recombinant protein expressed in E. coli. Shares sequence homology with: Human, Mouse, Rat, Dog, Pig, Cow, Sheep, Horse, Chicken, Guinea pig.

This protein is the immunogen for the following antibodies: [abx133827](#), [abx129303](#).

Target:	Actin, Cytoplasmic 1 (ACTB)
Research Area:	Signal Transduction, Developmental Science, Bone Metabolism
Origin:	Human, Mouse, Rat, Guinea pig, Dog, Pig, Cow, Sheep, Horse, Chicken
Expression:	Recombinant
Tested Applications:	WB, SDS-PAGE
Host:	E. coli
Conjugation:	Unconjugated
Form:	Lyophilized
Activity:	Not tested

Datasheet

Version: 12.0.0
Revision date: 09 Oct 2025



Purity: > 90%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in 10 mM PBS, pH 7.4. If a higher concentration is required, the product can be reconstituted directly in 10 mM PBS, pH 7.4, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

Storage: Store at 2-8°C for up to one month. For long-term storage, store at -80°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P60709 ([UniProt](#), [ExPASy](#)) P60710 ([UniProt](#), [ExPASy](#)) P60711 ([UniProt](#), [ExPASy](#))

Gene Symbol: ACTB

GeneID: [60 11461 81822](#)

KEGG: hsa:60

String: [9606.ENSP00000349960](#)

Molecular Weight: Calculated MW: 43.3 kDa
Observed MW (SDS-PAGE): 44 kDa

Sequence Fragment: Met1-Phe375

Sequence: MDDDIAALVV DNGSGMCKAG FAGDDAPRAV FPSIVGRPRH QGVMVGMGQK DSYVGDEAQS
KRGILTLKYP IEHGIVTNWD DMEKIWHHTF YNELRVAPEE HPVLLTEAPL NPKANREKMT
QIMFETFNTF AMYVAIQAVL SLYASGRTTG IVMDSGDGVV HTVPIYEGYA LPHAILRLDL
AGRDLTDYLM KILTERGYSF TTAEREIVR DIKEKLCYVA LDFAQEMATA ASSSSLEKSY
ELPDGQVITI GNERFRCPEA LFQPSFLGME SCGIHETTFN SIMKCDVDIR KDLYANTVLS
GGTTMYPGIA DRMQKEITAL APSTMKIKII APPERKYSVW IGGSILASLS TFQQMWISKQ
EYDESGPSIV HRKCF

Tag: N-terminal His tag

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Concentration: Prior to lyophilization: 200 µg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.