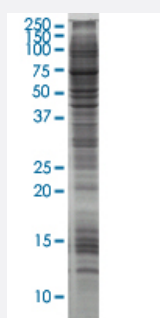


ACTB HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

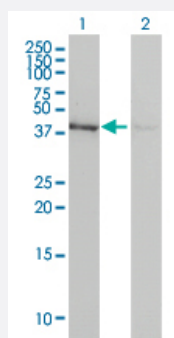
Catalog # L015T6 Size 100 ug

Applications



SDS-PAGE Gel

ACTB transfected lysate



Western Blot

Lane 1: ACTB transfected lysate (42 KDa).

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-ACTB full length
Host	Human
Theoretical MW (kDa)	42
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACTB antibody ([H00000060-M01](#)) by Western Blots.
SDS-PAGE Gel
ACTB transfected lysate
Western Blot
Lane 1: ACTB transfected lysate (42 KDa).
Lane 2: Non-transfected lysate.

Recommend Usage

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

Storage Buffer

In modified RIPA Lysis Buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

Gene Info — ACTB

Entrez GeneID

[60](#)

GeneBank Accession#

[BC001301](#)

Protein Accession#

[AAH01301](#)

Gene Name

ACTB

Gene Alias

PS1TP5BP1

Gene Description

actin, beta

Omim ID

[102630](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins. [provided by RefSeq]

Other Designations

PS1TP5-binding protein 1|actin, cytoplasmic 1|beta actin|beta cytoskeletal actin

Pathway

- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Focal adhesion](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)
- [Tight junction](#)
- [Vibrio cholerae infection](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)