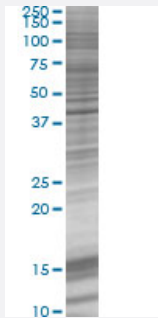


# ACTG2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000072-T01

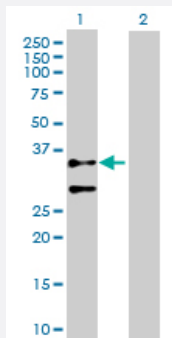
Size 100 uL

## Applications



### SDS-PAGE Gel

ACTG2 transfected lysate.



### Western Blot

Lane 1: ACTG2 transfected lysate ( 41.90 KDa)

Lane 2: Non-transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACTG2 full-length
Host	Human
Theoretical MW (kDa)	41.9
Interspecies Antigen Sequence	Mouse (100); Rat (100)

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ACTG2 antibody ([H00000072-D01P](#)) by Western Blots.  
SDS-PAGE Gel  
ACTG2 transfected lysate.  
Western Blot  
Lane 1: ACTG2 transfected lysate ( 41.90 KDa)  
Lane 2: Non-transfected lysate.

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction**

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

## Applications

- Western Blot

## Gene Info — ACTG2

**Entrez GeneID**[72](#)**GeneBank Accession#**[NM\\_001615.3](#)**Protein Accession#**[NP\\_001606.1](#)**Gene Name**

ACTG2

**Gene Alias**

ACT, ACTA3, ACTE, ACTL3, ACTSG

**Gene Description**

actin, gamma 2, smooth muscle, enteric

**Omim ID**[102545](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 2, encoded by this gene, is a smooth muscle actin found in enteric tissues. [provided by RefSeq]

**Other Designations**

actin, gamma 2|actin-like protein|alpha-actin 3|smooth muscle gamma actin

## Pathway

- [Vascular smooth muscle contraction](#)

## Disease

- [Cholestasis](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)