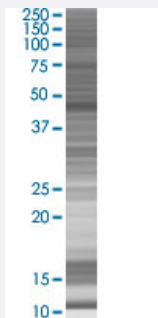


ACTL7A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010881-T01

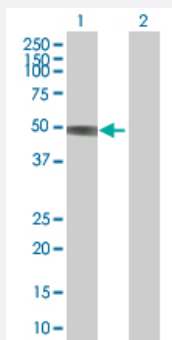
Size 100 uL

Applications



SDS-PAGE Gel

ACTL7A transfected lysate.



Western Blot

Lane 1: ACTL7A transfected lysate (48.6 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ACTL7A full-length
Host	Human
Theoretical MW (kDa)	48.6
Interspecies Antigen Sequence	Mouse (85); Rat (86)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ACTL7A antibody ([H00010881-B01](#)) by Western Blots.
SDS-PAGE Gel
ACTL7A transfected lysate.
Western Blot
Lane 1: ACTL7A transfected lysate (48.6 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 — ACTL7A

Entrez GeneID[10881](#)**GeneBank Accession#**[NM_006687.2](#)**Protein Accession#**[-](#)**Gene Name**

ACTL7A

Gene Alias[-](#)**Gene Description**

actin-like 7A

Omim ID[604303](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of a family of actin-related proteins (ARPs) which share significant amino acid sequence identity to conventional actins. Both actins and ARPs have an actin fold, which is an ATP-binding cleft, as a common feature. The ARPs are involved in diverse cellular processes, including vesicular transport, spindle orientation, nuclear migration and chromatin remodeling. This gene (ACTL7A), and related gene, ACTL7B, are intronless, and are located approximately 4 kb apart in a head-to-head orientation within the familial dysautonomia candidate region on 9q31. Based on mutational analysis of the ACTL7A gene in patients with this disorder, it was concluded that it is unlikely to be involved in the pathogenesis of dysautonomia. The ACTL7A gene is expressed in a wide variety of adult tissues, however, its exact function is not known. [provided by RefSeq]

Other Designations

actin-like 7-alpha