OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for LY300024

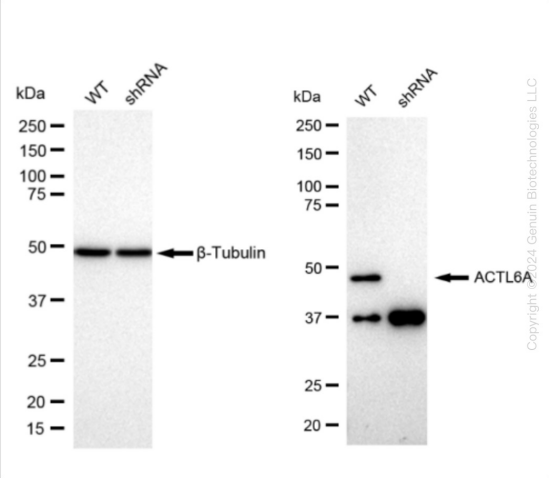
BAF53A (ACTL6A) Human Knockdown Lysate

Product data:

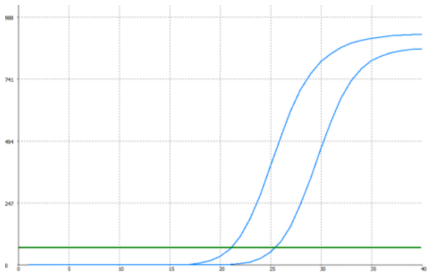
Product Type:	Knockdown Lysates
Description:	WB-validated ACTL6A Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	ACTL6A; Actin Like 6A; BAF53A; INO80K; BRG1-Associated Factor 53A; INO80 Complex Subunit K; SMARCN1; 53 KDa BRG1-Associated Factor A; Actin-Related Protein Baf53a; BAF Complex 53 KDa Subunit; Actin-Related Protein; Actin-Like Protein 6A; ArpNbeta; ACTL6; BAF53; Arp4; HArpN Beta; ARPN-BETA; Baf53a; Actl6; ARP4
Predicted MW:	47 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug ACTL6A KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	86
UniProt ID:	O96019
Protein Families:	Druggable Genome, Transcription Factors

View online »

Product images:



Western blotting analysis. ACTL6A protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against ACTL6A and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	21.92
Knock-Down	24.93
ΔCt (Ct_{KD}-Ct_{WT})	3.01
% mRNA Reduction	⬇ 88%

RT-qPCR analysis. HeLa cells were infected with ACTL6A-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.