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Product datasheet for LY300009

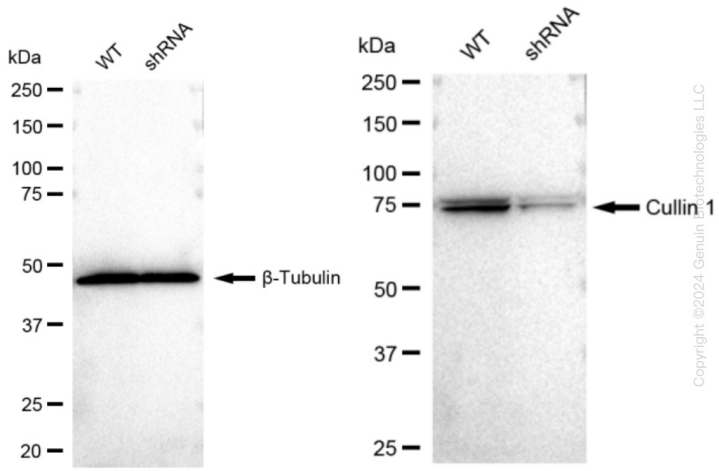
Cullin 1 (CUL1) Human Knockdown Lysate

Product data:

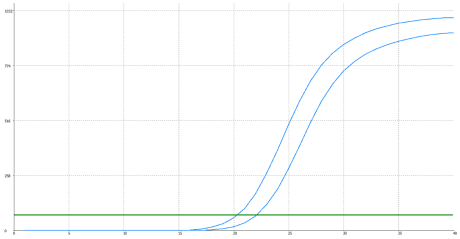
Product Type:	Knockdown Lysates
Description:	WB-validated CUL1 Knockdown 293T Cell Lysate
Species:	Human
Expression Host:	293T
Tag:	Tag Free
Synonyms:	CUL1; Cullin 1; Cullin-1; CUL-1
Predicted MW:	90 kDa
Components:	1 vial of 100 ug WT 293T cell lysate 1 vial of 100 ug CUL1 KD 293T cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	8454
UniProt ID:	Q13616
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, TGF-beta signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway

View online »

Product images:



Western blotting analysis. CUL1 protein expression in wild-type (WT) and shRNA knockdown (KD) 293T cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against CUL1 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	20.27
Knock-Down	21.91
ΔCt (Ct_{KD}-Ct_{WT})	1.64
% mRNA Reduction	⬇ 68%

RT-qPCR analysis. 293T cells were infected with CUL1-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%.