

## Product datasheet for **LY300007**

### **IQGAP2 Human Knockdown Lysate**

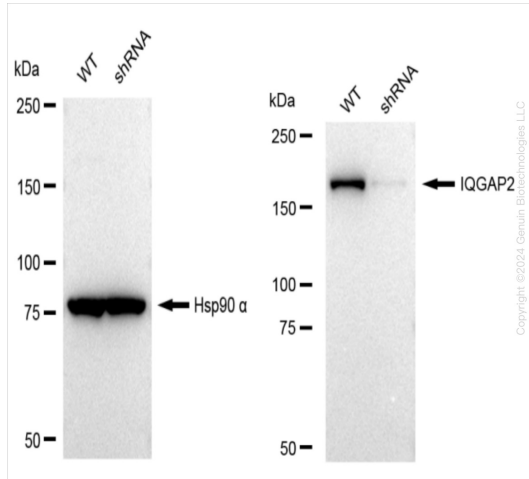
#### **Product data:**

Product Type:	Knockdown Lysates
Description:	WB-validated IQGAP2 Knockdown 293T Cell Lysate
Species:	Human
Expression Host:	293T
Tag:	Tag Free
Synonyms:	IQGAP2; IQ Motif Containing GTPase Activating Protein 2; Ras GTPase-Activating-Like Protein IQGAP2
Predicted MW:	181 kDa
Components:	1 vial of 100 ug WT 293T cell lysate 1 vial of 100 ug IQGAP2 KD 293T cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	10788
UniProt ID:	<a href="#">Q13576</a>
Protein Families:	Druggable Genome
Protein Pathways:	Regulation of actin cytoskeleton

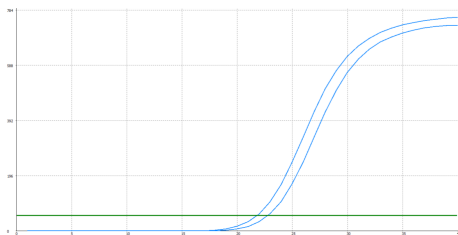


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## Product images:



Western blotting analysis. IQGAP2 protein expression in wild-type (WT) and shRNA knockdown (KD) 293T cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies (Cat#61138, 1:5,000) against IQGAP2 and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQ™ ECL Substrate Kit (Cat#226).



Genotype	Ct Value
Wild-Type	21.78
Knock-Down	22.69
$\Delta Ct (Ct_{KD} - Ct_{WT})$	0.91
% mRNA Reduction	↓ 47%

RT-qPCR analysis. 293T cells were infected with IQGAP2-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers.  $\Delta Ct (Ct_{KD} - Ct_{WT})$  was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1 - 1/2^{\Delta Ct}) \times 100\%$ .