

Product datasheet for **LY300270**

PGAM1 Human Knockdown Lysate

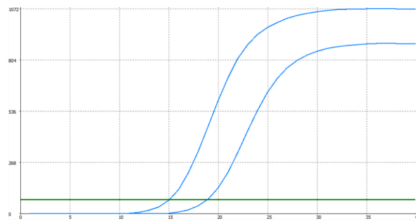
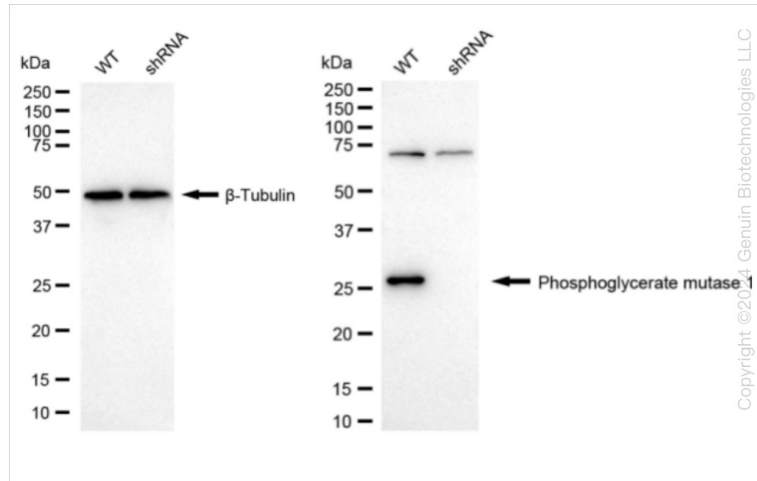
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated PGAM1 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	Phosphoglycerate Mutase 1; PGAM-B; PGAMA; Phosphoglycerate Mutase A, Nonmuscle Form; Phosphoglycerate Mutase 1 (Brain); Phosphoglycerate Mutase Isozyme B; BPG-Dependent PGAM 1; Epididymis Secretory Protein Li 35; EC 5.4.2.11; EC 5.4.2.4; EC 5.4.2.1; HEL-S-35
Predicted MW:	29 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug PGAM1 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	5223
UniProt ID:	P18669
Protein Pathways:	Glycolysis / Gluconeogenesis, Metabolic pathways



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Product images:



Genotype	Ct Value
Wild-Type	15.10
Knock-Down	18.62
Δ Ct ($C_{tKD} - C_{tWT}$)	3.52
% mRNA Reduction	↓ 91%

Western blotting analysis. PGAM1 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 PGAM1 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.

RT-qPCR analysis. HeLa cells were infected with PGAM1-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct ($C_{tKD} - C_{tWT}$) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.