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Product datasheet for LY300248

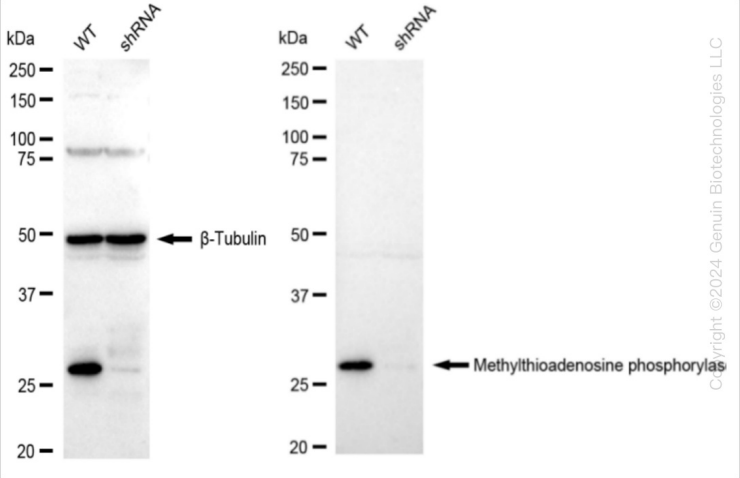
MTAP Human Knockdown Lysate

Product data:

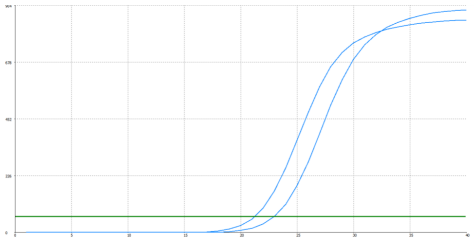
Product Type:	Knockdown Lysates
Description:	WB-validated MTAP Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	MTAP; Methylthioadenosine Phosphorylase; MSAP; S-Methyl-5'-Thioadenosine Phosphorylase; 5'-Methylthioadenosine Phosphorylase; MTA Phosphorylase; MTAPase; C86fus; Epididymis Secretory Sperm Binding Protein; Epididymis Luminal Protein 249; MeSAdo Phosphorylase; EC 2.4.2.28; HEL-249; DMSMFH; C86FUS; DMSFH; LGMBF; BDMF
Predicted MW:	31 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug MTAP KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	4507
UniProt ID:	Q13126
Protein Families:	Druggable Genome
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways

View online »

Product images:



Western blotting analysis. MTAP 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 MTAP 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	21.16
Knock-Down	22.98
ΔCt (Ct_{KD}-Ct_{WT})	1.82
% mRNA Reduction	⬇ 72%

RT-qPCR analysis. HeLa cells were infected with MTAP-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%.