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 LY300204

Huntingtin (HTT) Human Knockdown Lysate

Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated HTT Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	HTT; Huntingtin; IT15; HD; Huntington Disease Protein; Huntingtin (Huntington Disease); HD Protein; LOMARS
Predicted MW:	348 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug HTT KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3064
UniProt ID:	P42858
Protein Families:	Druggable Genome
Protein Pathways:	Huntington's disease

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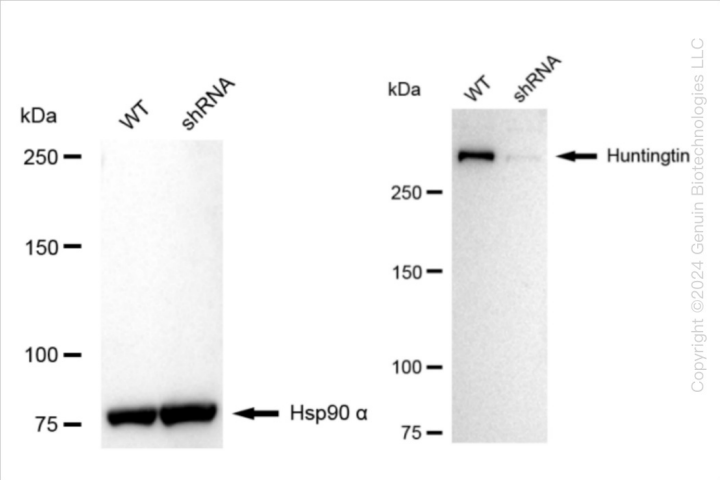
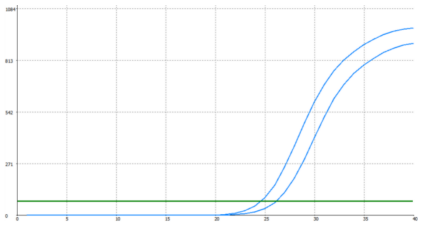
Product images:



Western blotting analysis. HTT protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against HTT and Hsp90 α, 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	24.48
Knock-Down	25.90
ΔCt (Ct_{KD}-Ct_{WT})	1.42
% mRNA Reduction	⬇ 63%

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