

Human TARDBP Knockdown Cell Lysate

Cat. No. TARDBP-307HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated TARDBP Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20.
Form	Cell-Tissue Lysis buffer
Molecular Mass	45 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg TARDBP KD HeLa cell lysate
Protein Families	Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	TARDBP TAR DNA binding protein [Homo sapiens (human)]
Official Symbol	TARDBP
Synonyms	TARDBP; TAR DNA binding protein; TAR DNA-binding protein 43; ALS10; TDP 43; TAR DNA-binding protein-43; TDP-43;
Gene ID	23435
mRNA Refseq	NM_007375
Protein Refseq	NP_031401
MIM	605078
UniProt ID	Q13148

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