

# Human TARDBP Knockdown Cell Lysate

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

## SPECIFICATION

<b>Product Overview</b>	WB-validated TARDBP Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	45 kDa
<b>Notes</b>	<p>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.</p>
<b>Storage</b>	Store at -20 centigrade for two years.

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

## GENE INFORMATION

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

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