

Recombinant Human TARDBP, MYC/DDK-tagged

Cat. No. TARDBP-35H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human TARDBP, fused with C-terminal MYC/DDK, was expressed in HEK293 cells.

Species Human

Source HEK293

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.

Molecular Mass 44.6 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	TARDBP TAR DNA binding protein [Homo sapiens (human)]
Official Symbol	TARDBP
Synonyms	TARDBP; TDP-43; TAR DNA binding protein; ASL 10; TAR DNA-binding protein 43; TDP43; TAR DNA-binding protein 43; OTTHUMP00000002173; TRA DNA-binding protein-43
Gene ID	23435
mRNA Refseq	NM_007375
Protein Refseq	NP_031401
MIM	605078
UniProt ID	Q13148
Chromosome Location	1p36.22
Function	RNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; double-stranded DNA binding

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