

Recombinant Human TARDBP

Cat. No. TARDBP-30150TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment (aa 1-259) human TARDBP protein.
Species	Human
Source	E.coli
ProteinLength	1-259 a.a.
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.
Tissue specificity	Ubiquitously expressed. In particular, expression is high in pancreas, placenta, lung, genital tract and spleen.
Form	Liquid
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH 7.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 2 RRM (RNA recognition motif) domains.
GENE INFORMATION	
Gene Name	TARDBP TAR DNA binding protein [Homo sapiens]
Official Symbol	TARDBP
Synonyms	TARDBP; TAR DNA binding protein; TAR DNA-binding protein 43; ALS10; TDP 43;
Gene ID	23435
mRNA Refseq	NM_007375
Protein Refseq	NP_031401
MIM	605078
Uniprot ID	Q13148
Chromosome Location	1p36.22
Function	DNA binding; RNA binding; double-stranded DNA binding; mRNA 3-UTR binding; nucleotide binding;