

Recombinant Human TARDBP, DDK-tagged

Cat. No. TARDBP-36H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARDBP, fused with C-terminal DDK tag, was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
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	45 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol. Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

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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