

Recombinant Human TARDBP, GST-tagged

Cat. No. TARDBP-4735H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARDBP(1 a.a. - 260 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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	54.34 kDa
AA Sequence	MSEYIRVTEDEENDEPIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLV EGILHAPDAGWGNLVYVV NYPKDNKRKMDETDASSAVKVKRAVQKTSDLIVLGLP WKTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSGKGFV RFTEYETQVKVMSQRHM IDGRWCDCKLPNSKQSQDEPLRSRKVFVGRCTEDMTEDELREFFSQYGDVMDVFI PKP FRAFAFVTFADDQIAQSLCGEDLIKGISVHISNA
Applications	ELISA; WB-Re; AP; Array

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Storage Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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_003140](#)

MIM [605078](#)

UniProt ID Q13148

Chromosome Location 1p36.22

Function RNA binding; double-stranded DNA binding; mRNA 3'-UTR binding; nucleotide binding; protein binding; sequence-specific DNA binding transcription factor activity

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