

Recombinant Human TARDBP, His-tagged

Cat. No. TARDBP-7588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TARDBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-260aa
Antigen Description	TARDBP was originally identified as a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. It has also been identified in individuals diagnosed with chronic traumatic encephalopathy, a condition that often mimics ALS and that has been associated with athletes who have experienced multiple concussions and other types of head injury. It has been shown to bind both DNA and RNA and have multiple functions in transcriptional repression, pre-mRNA splicing and translational regulation.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	33.6 kDa(296aa) confirmed by MALDI-TOF
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSSEY IRVTEDENDE PIEIPSEDDG TVLLSTVTAQ FPGACGLRYR NPVSQCMRGV RLVEGILHAP DAGWGNLVYV VNYPKDNKRK MDETDAASSAV KVKRAVQKTS DLIVLGLPWK TTEQDLKEYF STFGEVLMVQ VKKDLKTGHS KGFGFVRFTE YETQVKVMSQ

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RHMIDGRWCD CKLPNSKQSQ DEPLRSRKVF VGRCTEDMTE DELREFFSQY
GDVMDVFIPK PFRAFAFVTF ADDQIAQSLC GEDLIKGIS VHISNA

Purity >90% as determined by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

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; TAR DNA-binding protein-43; TDP-43;

Gene ID 23435

mRNA Refseq NM_007375

Protein Refseq NP_031401

MIM 605078

UniProt ID Q13148

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Chromosome Location	1p36.22
Function	DNA binding; 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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