

Recombinant Human TARDBP, His-tagged

Cat. No. TARDBP-85H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TARDBP protein protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-414 aa
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M urea
Molecular Mass	48.8 kDa(450aa)
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSEY IRVTEDENDE PIEIPSEDDG TVLLSTVTAQ FPGACGLRYR NPVSQCMRGV RLVEGILHAP DAGWGNLVVY VNYPKDNKRK MDETDAASSAV KVKRAVQKTS DLIVLGLPWK

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TTEQDLKEYF STFGEVLMVQ VKKDLKTGHS KGFGFVRFTE YETQVKVMSQ
 RHMIDGRWCD CKLPNSKQSQ DEPLRSRKVF VGRCTEDMTE DELREFFSQY
 GDVMDVFIPK PFRAFAFVTF ADDQIAQSLC GEDLIKGIS VHISNAEPKH
 NSNRQLERSG RFGGNPGGFG NQGGFGNSRG GGAGLGNNQG SNMGGMNFG
 AFSINPAMMA AAQAALQSSW GMMGMLASQQ NQSGPSGNNQ NQGNMQREPN
 QAFGSGNNSY SGSNSGAAIG WGSASNAGSG SGFNGGFGSS MDSKSSGWGM

Purity > 90% by SDS - PAGE

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

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name TARDBP TAR DNA binding protein [Homo sapiens (human)]

Official Symbol TARDBP

Synonyms TARDBP; ALS10; TDP-43; TAR DNA binding protein; TAR DNA-binding protein 43; TAR DNA-binding protein-43

Gene ID 23435

mRNA Refseq NM_007375

Protein Refseq NP_031401

MIM 605078

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UniProt ID	Q13148
Chromosome Location	1p36.22
Function	RNA binding; double-stranded DNA binding; identical protein binding

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