

## Product datasheet for TP310639L

### TDP43 (TARDBP) (NM\_007375) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human TAR DNA binding protein (TARDBP), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210639 protein sequence

**AA Sequence:** **Red**=Cloning site **Green**=Tags(s)

MSEYIRVTEDENDIEPIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLVEGILHAPDAGWGN  
LVVVVNYPKDNKRKMDDETDAASAVKVKRAVQKTSIDLIVLGLPWKTTEQDLKEYFSTFGEVLMVQVKKDLK  
TGHSKGFVRFTEYETQVKVMSQRHMIDGRWCDCCKLPNSKQSQDEPLRSRKVFVGRCTEDMTEDELREF  
FSQYGDVMDVFIKPFRAFAFVTFADDQIAQSLCGEDLIIGKISVHISNAEPKHNSNRQLERSGRFGGNP  
GGFGNQGGFGNSRGGGAGLGNNQGSNMGGGMNFGAFSINPAMMAAAQAALQSSWGMMLASQQNQSGPS  
GNNQNGNMQRPNQAFGSGNNSYSGSNSGAAGWGSASNAGSGSGFNGGFGSSMSDKSSSGWGM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 44.6 kDa

**Concentration:** >0.1 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Bioactivity:** In vitro binding assay (PMID: [25738460](https://pubmed.ncbi.nlm.nih.gov/25738460/))

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_031401](#)

Locus ID: 23435

UniProt ID: [Q13148](#), [Q9H256](#), [A0A024R4E2](#)

RefSeq Size: 4236

Cytogenetics: 1p36.22

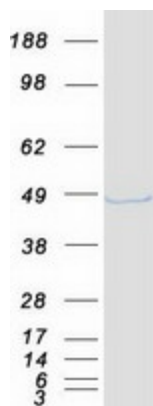
RefSeq ORF: 1242

Synonyms: ALS10; TDP-43

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified TARDBP protein (Cat# [TP310639]). The protein was produced from HEK293T cells transfected with TARDBP cDNA clone (Cat# [RC210639]) using MegaTran 2.0 (Cat# [TT210002]).