

# Recombinant Human TAR DNA Binding Protein, T7-tagged

**Cat. No.** TARDBP-2993H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant Human TARDBP protein, fused with a T7-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques, 44740Da (414aa).                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>              | TAR DNA-binding protein 43 (TDP-43), is a cellular protein which in humans is encoded by the TARDBP gene.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequences of amino acids</b> | <p>MSEYIRVTEDENDPIEIPS EDDGTVLLST VTAQFPGACG LRYRNPVSQC</p> <p>MRGVRLVEGI LHAPDAGWGN LVYVVNYPKD NKRKMDETDA SSAVKVKRAV</p> <p>QKTSDLIVLG LPWKTTEQDL KEYFSTFGEV LMVQVKKDLK TGHSKGFGFV</p> <p>RFTEYETQVK VMSQRHMIDG RWCDCKIPNS KQSQDEPLRS RKVFVGRCTE</p> <p>DMTEDELREF FSQYGDVMDV FIPKPFRAFA FVTFADDQIA QSLCGEDLII</p> <p>KGISVHISNA EPKHNSNRQL ERSGRFGGNP GGFGNQGGFG NSRGGGAGLG</p> <p>NNQGSNMGGG MNFGAFSINP AMMAAAQAAL QSSWGMMGML ASQQNQSGPS</p> <p>GNNQNQGNMQ REPNQAFGSG NNSYSGSNSG AAIGWGSASN AGSGSGFNNGG</p> <p>FGSSMDSKSS GWGM</p> |
| <b>Formulation</b>              | 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN <sub>3</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                   | 95% by SDS - PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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**Applications** MS. SDS

## GENE INFORMATION

**Gene Name** TARDBP TAR DNA binding protein [Homo sapiens]

**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** 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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