

**TARDBP, 1-260aa, Human, His tag, E.coli**

**Cat.NO.: TP04145**

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3th Edition

**Synonyms:**TAR DNA binding protein, ALS10, TDP43

**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. Recombinant human TARDBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**33.6 kDa(296aa) confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSEYIRVTEDEDEPIEIPSEDDGTVLLSTVTAQFPGA  
CGLRYRNPVSQCMRGVRLVEGILHAPDAGWGNLVYVVNYPKDNKRKMDETDASSAVKVKRAVQKTSDLIVLGLP  
WKTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSKGFVRFTEYETQVKVMSQRHMIDGRWCDCKLPNSKQSQDE  
PLRSRKVVFVGRCTEDMTEDELREFFSQYGDVMDVFIKPFRAFAFVTFADDQIAQSLCGEDLIKGISVHISNA

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.