

TARDBP, 1-414aa, Human, His tag, E.coli

Cat.NO.: TP04147

3th Edition

Synonyms:TAR DNA binding protein, ALS10, TDP43

Description:TARDBP, as known as TAR DNA binding protein, 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 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M urea

Molecular Weight:48.8 kDa(450aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMSSEYIRVTEDEDEPIEIPSEDDGTVLLSTVTAQFPGA
CGLRYRNPVSQCMRGVRLVEGILHAPDAGWGNLVYVVNYPKDNKRKMDETDASSAVKVKRAVQKTS DLIVLGLP
WKTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSKGFVRFTEYETQVKVMSQRHMIDGRWCDCKLPNSKQSQDE
PLRSRKVFVGRCTEDMTEDELREFFSQYGDVMDVFIPKPFRAFAFVTFADDQIAQSLCGEDLIKGISVHISNAEPKH
NSNRQLERSGRFGGNPGGFGNQGGFGNSRGGGAGLGNQGSNMGGGMNFGAFSINPAMMAAAQAALQSSWG
MMGMLASQQNQSGPSGNNQNQGNMQREPNQAFGSGNNSYSGSNSGAAIGWGSASNAGSGSGFNNGFGSSM
DSKSSGWGM

Purity:> 95% by HPLC

Concentration:1 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.