

TARDBP, 1-414 aa Human, E.coli

Cat.NO.: TP04146

3th Edition

Synonyms:TAR DNA binding protein 43, ALS10, TDP-43

Description:TARDBP, as known as TAR DNA binding protein 43, 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 was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. In 20mM Tris-HCl(pH8.0) containing 0.1M NaCl, 1mM DTT, 1mM EDTA, 10% glycerol

Molecular Weight:44.7 kDa (414 aa)

Sequences:

MSEYIRVTEDEENDEPIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLVEGILHAPDAGWGNLVYVVN
YPKDNKRKMDETDASSAVKVKRAVQKTS DLIVLGLPWKTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSKGFGFVR
FTEYETQVKVMSQRHMIDGRWCCKLPNSKQSQDEPLRSRKVFVGRCTEDMTEDELREFFSQYGDVMDVFIPKP
FRAFAFVTFADDQIAQSLCGEDLIIKGISVHISNAEPKHNSNRQLERSGRFGGNPGGFGNQQGGFGNSRGGGAGLG
NNQGSNMGGGMNFGAFSINPAMMAAAQAALQSSWGMMGLASQQNQSGPSGNNQNQGNMQREPNQAFGSG
NNSYSGSNSGAAIGWGSASNAGSGSGFNNGFGSSMDSKSSGWGM

Purity:> 95% by HPLC

Concentration:0.25 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.