

32-13466: TARDBP (1-414) Human

Alternative Name : ALS10, TDP43, TAR DNA-binding protein 43, TDP-43, TARDBP.

Description

Source: E.coli.

Sterile Filtered colorless solution.

TAR DNA Binding Protein (TARDBP) was initially recognized as a transcriptional repressor which binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, TARDBP has been detected in individuals diagnosed with chronic traumatic encephalopathy as well, which is a condition that often imitates ALS and has been related with athletes who have experienced multiple concussions and other types of head injury. TARDBP has been shown to bind both DNA and RNA, it has multiple functions in transcriptional repression, pre-mRNA splicing and translational regulation.

TARDBP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 414 amino acids (1-414 a.a) and having a molecular mass of 44.7kDa. TARDBP is purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85% as determined by SDS-PAGE.

Content : TARDBP protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH8.0), 1mM DTT, 0.1M NaCl, 10% glycerol and 1mM EDTA.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MSEYIRVTED ENDEPIEIPS EDDGTVLLST VTAQFPGACG LRYRNPVSQC MRGVRLVEGI LHAPDAGWGN LVYVVNYPKD NKRKMDETDA SSAVKVKRAV QKTSDLIVLG LPWKTTEQDL KEYFSTFGEV LMVQVKKDLK TGHSGFGFV RFTEYETQVK VMSQRHMIDG RWCDCKLPNS KQSQDEPLRS RKVFVGRCTE DMTDELREF FSQYGDVMDV FIPKPFRAFA FVTFADDQIA QSLCGEDLII KGISVHISNA EPKHNSNRQL ERSGRFGGNP GGFGNQGGFG NSRGGGAGLG NNQGSNMGGG MNFGAFSINP AMMAAAQAAL QSSWGMMGML ASQQNQSGPS GNNQNQGNMQ REPNQAFGSG NNSYSGSNSG AAIGWGSASN AGSGSGFNNG FGSSMDSKSS GWGM.