

TAR DNA Binding Protein (1-414 a.a.) Human Recombinant

Item Number	rAP-4931
Synonyms	ALS10, TDP43, TAR DNA-binding protein 43, TDP-43, TARDBP.
Description	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.
Uniprot Accession Number	Q13148
Amino Acid Sequence	MSEYIRVTED ENDEPIEIPS EDDGTVLLST VTAQFPGACG LRYRNPVSQC MRGVRLVEGI LHAPDAG- WGN LVYVVNYPKD NKRKMDETDA SSAVKVKRAV QKTS DLIVLG LPWKTEQDL KEYFSTFGEV LMVQVKKDLK TGHSKGFGFV RFTEYETQVK VMSQRHMIDG RWCDCKLPNS KQSQDEPLRS RKVFVGRCTE DMTEDELREF FSQYGDVMDV FIPKPFRAFA FVTFADDQIA QSLCGEDLII KGISVHISNA EPKHNSNRQL ERSGRFGGNGP GGFGNQGGFG NSRGGGAGLG NNQGSNMGGG MNFGAFSINP AMMAAAQAAL QSSWGMMGML ASQQNQSGPS GNNQNQGNMQ REPNQAFGSG NNSYSGSNSG
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	TARDBP protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH8.0), 0.1M NaCl, 1mM DTT, 1mM EDTA and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**