![abeomics logo]

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-5035: Recombinant Human TAR DNA Binding Protein, (1-414 a.a.)

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

Description

Source : E.coli. TARDBP Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 450 amino acids (1-414 a.a) and having a total molecular mass of 48.8 kDa. TARDBP is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	TARDBP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M urea.
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 :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSEY IRVTEDENDE PIEIPSEDDG TVLLSTVTAQ FPGACGLRYR NPVSQCMRGV RLVEGILHAP DAGWGNLVYV VNYPKDNKRK MDETDASSAV KVKRAVQKTS DLIVLGLPWK TTEQDLKEYF STFGEVLMVQ VKKDLKTGHS KGFGFVRFTE YETQVKVMSQ RHMIDGRWCD CKLPNSKQSQ DEPLRSRKVF VGRCTEDMTE DELREFFSQY GDVMDVFIPK PFRAFAFVTF ADDQIAQSLC GEDLIIKGIS VHISNAEPKH NSNRQLERSG RFGGNPGGFG NQGGFGNSRG GGAGLGNNQG SNMGGGMNFG AFSINPAMMA AAQAALQSSW GMMGMLASQQ NQSGPSGNNQ NQGNMQREPN QAFGSGNNSY SGSNSGAAIG WGSASNAGSG SGFNGGFGSS MDSKSSGWGM.