

AR50917PU-S

Human TARDBP (1-414, His-tag) - Purified

Alternate names:

TAR DNA-binding protein 43, TDP-43, TDP43

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q13148](#)

NCBI:

[NP_031401](#)

GeneID:

[23435](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

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

Description:

Recombinant human TARDBP protein protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMSSEY IRVTEDENDE PIEIPSEDDG
TVLLSTVTAQ FPGACGLRYR NPVSQCMRGV RLVEGILHAP DAGWGNLVYV VNYPKDNKRK
MDETDAASAV KVKRAVQKTS DLIVLGLPWK TTEQDLKEYF STFGVLMVQ VKKDLKTGHS
KGFGEVRFTE YETQVKVMSQ RHMIDGRWCD CKLPNSKQSQ DEPLRSRKVF VGRCTEDMTE
DELREFFSQY GDVMDVFIPK PFRAFAFVTF ADDQIAQSLC GEDLIKGIS VHISNAEPKH
NSNRQLERSG RFGGNPGGFG NQGGFGNSRG GGAGLGNNQG SNMGGGMNFG AFSINPAMMA
AAQAALQSSW GMMGMLASQQ NQSGPSGNNQ NQGNMQREPQ QAFSGGNNSY SGSNSGAAIG
WGSASNAGSG SGFNGGFGSS MDSKSSGWGM

Molecular weight: 48.8 kDa (450aa)

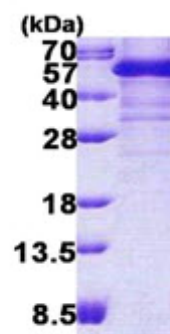
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Ou SH. et al. (1995) J Virol. 69:3584-3596.

Pictures:



15% SDS-PAGE (3ug)