9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TARDBP Human

TAR DNA Binding Protein Human Recombinant
RCP2325

Product Overview

Name	TARDBP Human
Description	
TAR DNA Binding Protein Human Recombinant	
Accession (Primary)	Q13148
Synonyms	
ALS10, TDP43, TAR DNA-binding protein 43, TDP-43, TARDBP.	
Introduction	
TARDBP binds both DNA and RNA and have numerous roles in transcriptional repression, pre-mRNA splicing and translational regulation. TARDBP was initially identified as a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. TARDBP has also been identified in individuals diagnosed with chronic traumatic ncephalopathy, a condition which frequently mimics ALS and that has been associated with athletes who have experienced multiple concussions and other types of head injury. TARDBP may also be involved in microRNA biogenesis, apoptosis and cell division.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
TARDBP protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS MSEY IRVTEDENDE PIEIPSEDDG TVLLSTVTAQ FPGACGLRYR NPVSQCMRGV RLVEGILHAP DAGWGNLVYV VNYPKDNKRK MDETDASSAV KVKRAVQKTS DLIVLGLPWK TTEQDLKEYF STFGEVLMVQ VKKDLKTGHS KGFGFVRFTE YETQVKVMSQ RHMIDGRWCD	

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CKLPNSKQSQ DEPLRSRKVF VGRCTEDMTE DELREFFSQY GDVMDVFIPK PFRAFAFVTF ADDQIAQSLC GEDLIIKGIS VHISNA.

Precautions

TARDBP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q13148)