

Recombinant Human TARDBP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TARDBP-1429H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TARDBP MS Standard C13 and N15-labeled recombinant protein (NP_031401) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	HIV-1, the causative agent of acquired immunodeficiency syndrome (AIDS), contains an RNA genome that produces a chromosomally integrated DNA during the replicative cycle. Activation of HIV-1 gene expression by the transactivator Tat is dependent on an RNA regulatory element (TAR) located downstream of the transcription initiation site. The protein encoded by this gene is a transcriptional repressor that binds to chromosomally integrated TAR DNA and represses HIV-1 transcription. In addition, this protein regulates alternate splicing of the CFTR gene. A similar pseudogene is present on chromosome 20.
Molecular Mass	44.7 kDa
AA Sequence	MSEYIRVTEDEENDEPIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLV EGILHAPDAGWGNLVYVVNYPKDNKRKMDETDASSAVKVKRAVQKTS DLIVLGLPW KTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSGKGFVRFTEYETQVKVMSQRHMID GRWCDCKLPNSKQSQDEPLRSRKVFVGRCTEDMTEDELREFFSQYGDVMDVFIPK PFRAFAFVTFADDQIAQSLCGEDLIIKGISVHISNAEPKHNSNRQLERSGRFGGNP GG

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FGNQGGFGNSRGGGAGLGNNQGSNMGGGMNFGAFSINPAMMAAAQAALQSSWG
 MMGMLASQQNQSGPSGNNQNQGNMQREPNQAFGSGNNSYSGSNSGAAIGWGS
 ASNAGSGSGFNNGGFGSSMDSKSSGWGMTRTRPLEQKLISEEDLAANDILDYKDDD
 DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TARDBP TAR DNA binding protein [Homo sapiens (human)]

Official Symbol TARDBP

Synonyms TARDBP; TAR DNA binding protein; TAR DNA-binding protein 43; ALS10; TDP 43; TAR DNA-binding protein-43; TDP-43;

Gene ID 23435

mRNA Refseq NM_007375

Protein Refseq NP_031401

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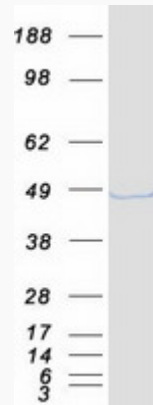
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MIM 605078

UniProt ID Q13148

SDS-PAGE



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