

Recombinant Human TARDBP Protein, GST-tagged

Cat. No. TARDBP-116H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TARDBP Protein, fused to GST-tag, was expressed in E.coli.
Species	Human
Source	E.coli
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.
Form	Supplied as a 0.2 µm filtered solution in PBS, pH8.0.
Molecular Mass	~56.7 kDa
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLQTQSMARIYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIAYSKDFE TLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAIPIQIDKYLKSSKYIAWPLQGQWQATFGGGDHPPKSDLVPRGSMSE YIRVTEDEENDEPIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLVEGIL HAPDAGWGNLVYVVNYPKDNKRKMDETDASSAVKVKRAVQKTS DLIVLGLPWKTT

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EQDLKEYFSTFGEVLMVQVKKDLKTGHSGFGFVRFTEYETQVKVMSQRHMIDGR
WCDCKLPNSKQSQDEPLRSRKVFVGRCTEDMTEDELREFFSQYGDVMDVFIPKPF
RAFAFVTFADDQIAQSLCGEDLIIKGISVHISNALERPHRD

Purity >90%

Storage Short Term Storage at 4 centigrade, Long Term Storage at -20 centigrade to -80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.8 mg/ml

GENE INFORMATION

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

Official Symbol TARDBP

Synonyms ALS10; TDP-43

Gene ID 23435

mRNA Refseq NM_007375

Protein Refseq NP_031401

MIM 605078

UniProt ID Q13148

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