

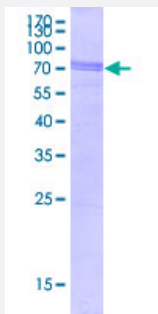
Full-Length

TARDBP (Human) Recombinant Protein (P02)

Catalog # H00023435-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TARDBP full-length ORF (NP_031401.1, 1 a.a. - 414 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MSEYIRVTEDENDIEIPSEDDGTVLLSTVTAQFPGACGLRYRNPVSQCMRGVRLVEGILHAPDA
GWGNLVYVYNPKDNKRKMDDETDAASAVKVKRAVQKTSDLVGLPWKTTEQDLKEYFSTFGEV
LMVQVKKDLKTGHSKGFVFRTFETQVKVMSQRHMIDGRWCDCKLPNSKQSQDEPLRSRKV
FVGRCTEDMTEDELREFFSQYGDVMDVFIPKPFRAFAFVTFADDQIAQSLCGEDLIKGISVHISNA
EPKHNSNRQLERSGRFGGNPGGFGNQGGFGNSRGGGAGLGNNQGSNMGGGMNFGAFSINPA
MMAAAQAALQSSWGMMGLASQQNQSGPSGNNQNGNMQREPNAFGSGNNSYSGSNSGA
AIGWGSASNAGSGSGFNNGGFGSSMDSKSSGWGM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.1

Interspecies Antigen Sequence

Mouse (96)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TARDBP

Entrez GeneID	23435
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GeneBank Accession#	NM_007375.3
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Protein Accession#	NP_031401.1
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Gene Name	TARDBP
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Gene Alias	ALS10, TDP-43
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Gene Description	TAR DNA binding protein
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Omim ID	605078
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Gene Ontology	Hyperlink
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Gene Summary	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. [provided by RefSeq]
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Other Designations	OTTHUMP00000002171 TAR DNA-binding protein-43
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Disease

- [Alzheimer Disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Chromosome Disorders](#)
- [Dementia](#)
- [Genetic Predisposition to Disease](#)
- [Neurodegenerative Diseases](#)
- [Parkinson disease](#)