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Datasheet

TARDBP (Human) Recombinant Protein (P01)

Catalog Number: H00023435-P01

Regulation Status: For research use only (RUO)

Product Description: Human TARDBP full-length ORF (AAH01487.1, 1 a.a. - 260 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MSEYIRVTEDENDEPIEIPSEDDGTVLLSTVTAQFPGA CGLRYRNPVSQCMRGVRLVEGILHAPDAGWGNLVYV VNYPKDNKRKMDETDASSAVKVKRAVQKTSDLIVLGL PWKTTEQDLKEYFSTFGEVLMVQVKKDLKTGHSKGF GFVRFTEYETQVKVMSQRHMIDGRWCDCKLPNSKQS QDEPLRSRKVFVGRCTEDMTEDELREFFSQYGDVMD VFIPKPFRAFAFVTFADDQIAQSLCGEDLIIKGISVHISN A

Theoretical MW (kDa): 54.34

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Preparation Method: *in vitro* wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 23435

Gene Symbol: TARDBP

Gene Alias: ALS10, TDP-43

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]

References:

1. Clinical and neuroanatomical signatures of tissue pathology in frontotemporal lobar degeneration. Rohrer JD, Lashley T, Schott JM, Warren JE, Mead S, Isaacs AM, Beck J, Hardy J, de Silva R, Warrington E, Troakes C, Al-Sarraj S, King A, Borroni B, Clarkson MJ, Ourselin S, Holton JL, Fox NC, Revesz T, Rossor MN, Warren JD. Brain. 2011 Sep;134(Pt 9):2565-81.
2. Development of a novel nonradiometric assay for nucleic acid binding to TDP-43 suitable for high-throughput screening using AlphaScreen technology. Cassel JA, Blass BE, Reitz AB, Pawlyk AC. J Biomol Screen. 2010 Oct;15(9):1099-106. Epub 2010 Sep 20.