

GST-3X-TDP43deltaC Vector

Catalogue number: 153792

Sub-type: pGEX

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: GST-3X-TDP43deltaC Vector

Alternate name: TARDBP, TAR DNA Binding Protein, TDP-43, TAR DNA-Binding Protein 43, ALS10

Class:

Conjugate:

Description: Concentration 1mg/ml

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: The TAR DNA-binding protein (TDP-43) is a highly conserved heterogeneous

nuclear ribonucleoprotein (hnRNP) that controls the transcription, splicing and RNA stability of specific genes. The protein associates with single-stranded RNA and DNA sequences, and exhibits remarkable specificity for UG/TG dinucleotide repeats. Regulation of the human low-molecular-weight neurofilament (hNFL) by TDP-43 has also been reported to occur through 3' UTR recruitment. TDP-43 is the major protein in inclusions from patients suffering from frontotemporal lobar degeneration (FTLD) with ubiquitin-positive inclusions and amyotrophic lateral sclerosis (ALS). This is a mutant version of TDP-43 that lacks the entire C-terminal domain, can bind RNA and does not aggregate as easily as the wild-type protein.

Target details

Target: TDP43 lacking C-terminus

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: Concentration 1mg/ml

Handling

Format:

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions:

Related tools

Related tools:

References

References: Buratti et al. 2001. J Biol Chem. 276(39):36337-43. PMID: 11470789. ; Characterization and functional implications of the RNA binding properties of nuclear factor TDP-43, a novel splicing regulator of CFTR exon 9.

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