

CMV4pFlagSiR TDP43WT Vector

Catalogue number: 153795

Sub-type: pFLAG-CMV4

Images:

Contributor

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Institute: International Centre For Genetic Engineering And Biotechnology (ICGEB)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: CMV4pFlagSiR TDP43WT 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). TDP-43 is predominantly nuclear, but in cases of neurodegenerative TDP-43 proteinopathies it is present as cytoplasmic aggregates.

Target details

Target: TDP43 full length

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: D'Ambrogio et al. 2009. Nucleic Acids Res. 37(12):4116-26. PMID: 19429692. ; Functional mapping of the interaction between TDP-43 and hnRNP A2 in vivo. ; Pagani et al. 2003. J Biol Chem. 278(29):26580-8. PMID: 12732620. ; Missense, nonsense, and neutral mutations define juxtaposed regulatory elements of splicing in cystic fibrosis transmembrane regulator exon 9.

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