

# peQE30-HisNter-TDP1-102 L27A Vector

**Catalogue number:** 153788

**Sub-type:** pQE30

**Images:**

## Contributor

**Inventor:** Prof Emanuele Buratti

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

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** peQE30-HisNter-TDP1-102 L27A Vector

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

**Class:**

**Conjugate:**

**Description:** Concentration 0.8mg/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 N-terminal domain of TDP-43 that cannot fold properly

## Target details

**Target:** Mutant TDP-43 N-terminal domain 1-102

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:** Concentration 0.8mg/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:** Mompey, A., et al. 2016. FEBS J. 283(7):1242-60. PMID: 26756435. ; The TDP-43 N-terminal domain structure at high resolution.

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