

Human TDP-43 Protein, His Tag

Catalog # TD3-H5145



Synonym

TAR DNA-binding protein 43

Source

Human TDP-43, His Tag(TD3-H5145) is expressed from E. coli cells. It contains AA Met 1 - Met 414 (Accession # [Q13148-1](#)).
Predicted N-terminus: Met

Molecular Characterization

Poly-his

TDP-43(Met 1 - Met 414)
Q13148-1

This protein carries a polyhistidine tag at the N-terminus.
The protein has a calculated MW of 46.8 kDa. The protein migrates as 54-56 kDa under reducing (R) condition (SDS-PAGE).

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in 50 mM HEPES, 500 mM NaCl, 0.4 M Arginine, pH8.0 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

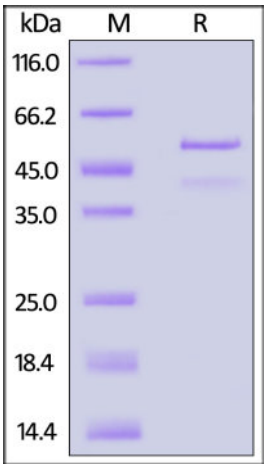
This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

Please avoid repeated freeze-thaw cycles.

- This product is stable after storage at:
- The product MUST be stored at -70°C or lower upon receipt;
 - -70°C for 12 months under sterile conditions.

SDS-PAGE



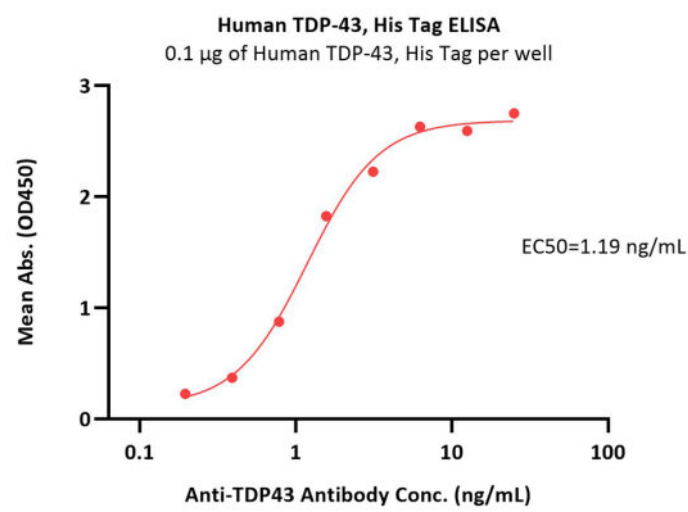
Human TDP-43, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

Bioactivity-ELISA



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Immobilized Human TDP-43, His Tag (Cat. No. TD3-H5145) at 1 µg/mL (100 µL/well) can bind Anti-TDP43 Antibody with a linear range of 0.2-3 ng/mL (QC tested).

Background

TDP-43, the transactive response (TAR)-DNA binding Protein with a molecular weight of 43 KDa is encoded by TARDBP gene that located at the chromosome 1. It is a RNA/DNA binding protein that structurally resembles a typical hnRNP protein family member. involved in transcriptional regulation and RNA processing. It is linked to sporadic and familial amyotrophic lateral sclerosis and frontotemporal lobar degeneration. TDP-43 is predominantly nuclear, but it translocates to the cytoplasm under pathological conditions. Cytoplasmic accumulation, phosphorylation, ubiquitination and truncation of TDP-43 are the main hallmarks of TDP-43 proteinopathies.

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and more!

