Recombinant Human ATXN7L1 Protein (His Tag)

Catalog Number: PDEH100967

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

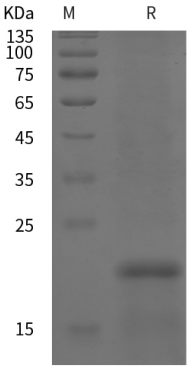
Description

Species	Human
Source	E.coli-derived Human ATXN7L1 protein Met1-Ala146, with an N-terminal His & C-terminal His
Calculated MW	16.0 kDa
Observed MW	20 kDa
Accession	Q9ULK2-2
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human ATXN7L1 proteins, 2 μg/lane of Recombinant Human ATXN7L1 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 20 kDa.

Background

ATXN7 is found in the cytoplasm of all the populations of neurons analyzed in control brains, but nuclear labeling is observed in some neurons with a frequency and intensity weakly correlated with the topography of lesions in patients. Ataxin-7 is a component of the Tata binding protein (TBP)-free TAF-containing complex (TFTC) and the SPT3/TAF9/GCN5 acetyltransferase complex (STAGA), which is implicated in several steps of transcriptional regulation such as histone acetylation/deubiquitinylation and recruitment of the preinitiation complex to promoters.

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