

Recombinant Human ATXN10 protein, His & T7-tagged

Cat. No. ATXN10-7957H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATXN10 aa. (Leu116~Ala302 (Accession # Q9UBB4)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu116~Ala302
Description	This gene encodes a protein that may function in neuron survival, neuron differentiation, and neuritogenesis. These roles may be carried out via activation of the mitogen-activated protein kinase cascade. Expansion of an ATTCT repeat from 9-32 copies to 800-4500 copies in an intronic region of this locus has been associated with spinocerebellar ataxia, type 10. Alternatively spliced transcript variants have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.7.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	ATXN10 ataxin 10 [Homo sapiens (human)]
Official Symbol	ATXN10
Synonyms	ATXN10; ataxin 10; E46L; SCA10; HUMEEP; ataxin-10; brain protein E46 homolog; spinocerebellar ataxia type 10 protein
Gene ID	25814
mRNA Refseq	NM_001167621.1
Protein Refseq	NP_001161093.1

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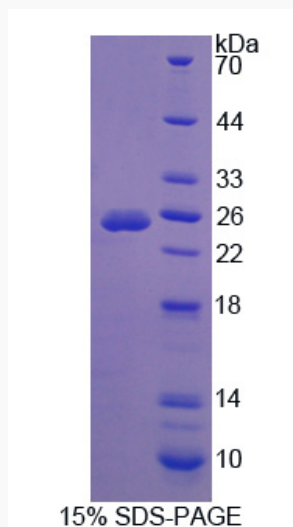
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UniProt ID

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SDS-PAGE

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