

Recombinant Human ATN1 Protein, His-tagged

Cat. No. ATN1-424H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ATN1(Asp879~Leu1190) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp879~Leu1190
Description	Dentatorubral pallidoluysian atrophy (DRPLA) is a rare neurodegenerative disorder characterized by cerebellar ataxia, myoclonic epilepsy, choreoathetosis, and dementia. The disorder is related to the expansion from 7-35 copies to 49-93 copies of a trinucleotide repeat (CAG/CAA) within this gene. The encoded protein includes a serine repeat and a region of alternating acidic and basic amino acids, as well as the variable glutamine repeat. Alternative splicing results in two transcripts variants that encode the same protein.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	38.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	ATN1 atrophin 1 [Homo sapiens]
Official Symbol	ATN1
Synonyms	ATN1; atrophin 1; D12S755E, dentatorubral pallidoluysian atrophy (atrophin 1) , DRPLA; atrophin-1; B37; dentatorubral-pallidoluysian atrophy protein; HRS; NOD; DRPLA; D12S755E;
Gene ID	1822
mRNA Refseq	NM_001007026
Protein Refseq	NP_001007027
MIM	607462

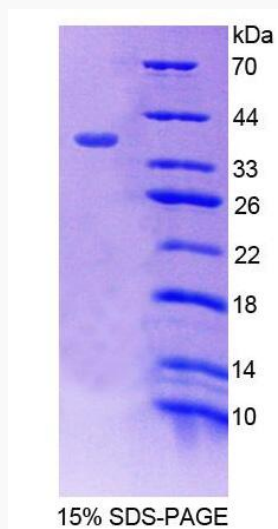
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UniProt ID

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