

# Recombinant Full Length Human ATXN3 Protein, C-Flag-tagged

**Cat. No.** ATXN3-1896HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ATXN3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene contains (CAG) <sub>n</sub> repeats in the coding region, and the expansion of these repeats from the normal 12-44 to 52-86 is one cause of Machado-Joseph disease. There is a negative correlation between the age of onset and CAG repeat numbers. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	41.1 kDa
<b>AA Sequence</b>	MESIFHEKQEGSLCAQHCLNLLQGEYFSPVELSSIAHQLDEEERMMAEGGV TSE DYRTFLQQPSGNMD DSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFIC NYKEHWFTVRKLGKQWFNLNSLLTGP ELISDTYLALFLAQLQQEGYSIFVVKGDLPD CEADQLLQMIRVQQMHRPKLIGEELAQLKEQRVHKTDLE RVLEANDGSGMLDEDE EDLQRALALSRQEIDMEDEEADLRRAIQLSMQGSSRNISQDMTQTSGTNLTSEE LR KRREAYFEKQQKQQQQQQQQGDLGSGSSHP CERPATSSGALGSDLGDAMS

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EEDMLQAAVTMSLET VRNDLKTEGKK TRTRPLEQKLISEEDLAANDILDYKDDDDK  
V

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Transcription Factors
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	ATXN3 ataxin 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ATXN3
<b>Synonyms</b>	AT3; JOS; MJD; ATX3; MJD1; SCA3
<b>Gene ID</b>	4287
<b>mRNA Refseq</b>	NM_004993.6

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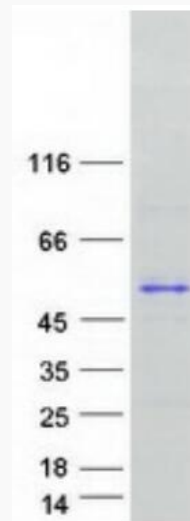
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**Protein Refseq** NP\_004984.2

**MIM** 607047

**UniProt ID** P54252



Coomassie blue staining of purified ATXN3 protein.

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