

## Product datasheet for **TP318923L**

### Ataxin 3 (ATXN3) (NM\_004993) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ataxin 3 (ATXN3), transcript variant 1, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC218923 representing NM\_004993

Red=Cloning site Green=Tags(s)

MESIFHEKQEGSLCAQHCLNLLQGEYFSPVELSSIAHQLDEEERMMAEGGVTSSEYRFTLQQPSGNMD  
DSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFCINYKEHWFTVRKLGKQWFNLNSLLTGP  
ELISDTYLALFLAQLQQEGYSIFVVKGDLPDCEADQLLMIRVQQMHRPKLIGEELAQLKEQRVHKTDL  
RVLEANDGSGMLDEDEEDLQRALALSRQEIDMEDEEADLRRAIQLSMQGSSRNISQDMTQTSGTNLTSEE  
LRKRREAYFEKQQKQQQQQQQQGDLGSGSSHP CERPATSSGALGSDLGDAMSEEDMLQAAVTMSLET  
VRNDLKTEGKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 41.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_004984](#)

**Locus ID:** 4287



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UniProt ID: [P54252](#)

RefSeq Size: 2698

Cytogenetics: 14q32.12

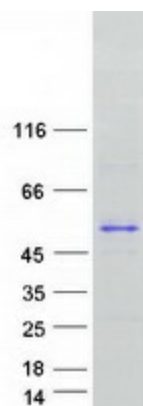
RefSeq ORF: 1083

Synonyms: AT3; ATX3; JOS; MJD; MJD1; SCA3

**Summary:** Machado-Joseph disease, also known as spinocerebellar ataxia-3, is an autosomal dominant neurologic disorder. The protein encoded by this gene contains (CAG)*n* 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. [provided by RefSeq, Jul 2016]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified ATXN3 protein (Cat# [TP318923]). The protein was produced from HEK293T cells transfected with ATXN3 cDNA clone (Cat# [RC218923]) using MegaTran 2.0 (Cat# [TT210002]).