

## Product datasheet for **TP318923M**

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218923 representing NM_004993 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MESIFHEKQEGSLCAQHCLNLLQGEYFSPVELSSIAHQLDEEERMMAEGGVTSSEYRFTLQQPSGNMDDSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFCINYKEHWFTVRKLGKQWFNLNSLLTGP ELISDTYLALFLAQLQQEGYSIFVVKGDLPDCEADQLLMIRVQQMHRPKLIGEELAQLKEQRVHKTDLE RVLEANDGSGMLDEDEEDLQRALALSRQEIDMEDEEADLRRAIQLSMQGSSRNISQDMTQTSGTNTLSEE LRKRREAYFEKQQKQQQQQQQQGDLGSGSSHP CERPATSSGALGSDLGDAMSEEDMLQAAVTMSLET VRNDLKTEGKK  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
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:	<a href="#">NP_004984</a>
Locus ID:	4287



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UniProt ID: [P54252](#)

RefSeq Size: 2698

Cytogenetics: 14q32.12

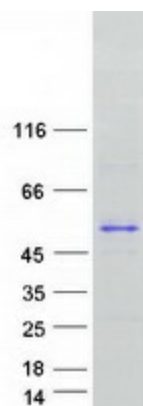
RefSeq ORF: 1083

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]).