

Product datasheet for PH318923

Ataxin 3 (ATXN3) (NM_004993) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ATXN3 MS Standard C13 and N15-labeled recombinant protein (NP_004984)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218923
Predicted MW:	41.1 kDa
Protein Sequence:	>RC218923 representing NM_004993 Red=Cloning site Green=Tags(s) MESIFHEKQEGSLCAQHCLNLLQGEYFSPVELSSIAHQLDEEERMMAEGGVTSEDYRTFLQQPSGNMD DSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFICNYKEHWFTVRKLGKQWFNLSLLTGP ELISDTYLALFLAQLQQEGYSIFVVKGDLPDCEADQLLQIRVQQMHRPKLIGEELAQLKEQRVHKTDL RVLEANDGSGMLDEDEEDLQRALALSRQEIDMEDEEADLRRAIQLSMQGSSRNISQDMTQTSGLTSEE LRKRREAYFEKQQKQQQQQQQGGDL SGSSHP CERPATSSGALGSDLGDAMSEEDMLQAAVTMSLET VRNDLKTEGKK TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004984
RefSeq Size:	2698
RefSeq ORF:	1083
Synonyms:	AT3; ATX3; JOS; MJD; MJD1; SCA3
Locus ID:	4287



[View online »](#)

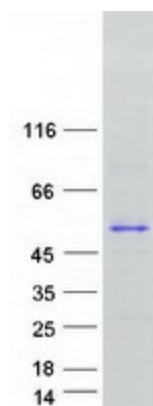
UniProt ID: [P54252](#)

Cytogenetics: 14q32.12

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]).