

Recombinant Human ATXN3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATXN3-6246H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATXN3 MS Standard C13 and N15-labeled recombinant protein (NP_004984) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	41.1 kDa
AA Sequence	MESIFHEKQEGSLCAQHCLNLLQGEYFSPVELSSIAHQLDEEERMMAEGGVTS DYRTFLQQPSGNMDDSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFICN YKEHWFTVRKLGKQWFNLNSLLTGPELISDTYLALFLAQLQQEGYSIFVVKGDLPCD EADQLLMIRVQQMHRPKLIGEELAQLKEQVRVHKTDLERVLEANDGSGMLDEDEED LQRALALSRQEIDMEDEEADLRRAIQLSMQGSSRNISQDMTQTSGTNLTSEELRKRR EAYFEKQQKQQQQQQQQQGDLSGQSSHPCERPATSSGALGSDLGDAMSEED MLQAAVTMSLETVRNDLKTEGKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATXN3 ataxin 3 [Homo sapiens (human)]
Official Symbol	ATXN3
Synonyms	ATXN3; ataxin 3; Machado Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3), MJD, SCA3; ataxin-3; ATX3; JOS; josephin; ataxin 3 variant h; ataxin 3 variant m; ataxin 3 variant ref; olivopontocerebellar ataxia 3; Machado-Joseph disease protein 1; spinocerebellar ataxia type 3 protein; Machado-Joseph disease (spinocerebellar ataxia 3, olivopontocerebellar ataxia 3, autosomal dominant, ataxin 3); AT3; MJD; MJD1; SCA3;
Gene ID	4287
mRNA Refseq	NM_004993
Protein Refseq	NP_004984

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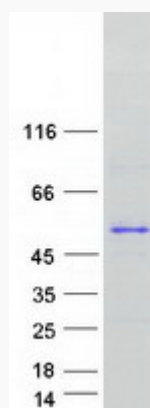
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MIM 607047

UniProt ID P54252

SDS-PAGE



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