# Recombinant Human ATXN3 Protein, DDK-tagged

**Cat. No.** ATXN3-739H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ATXN3 fused with DDK tag at C-terminal was expressed in Sf9 cells. |
| **Species** | Human |
| **Source** | Sf9 Cells |
| **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. |
| **Form** | 50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol |
| **Molecular Mass** | 41.1 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration** | >50 ug/mL as determined by microplate BCA method |

## GENE INFORMATION

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| **Gene Name** | ATXN3 ataxin 3 [ Homo sapiens ] |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| **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_001127696 |
| **Protein Refseq** | NP_001121168 |
| **MIM** | 607047 |
| **UniProt ID** | P54252 |

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