

Recombinant Full Length Human ATXN3 Protein, GST-tagged

Cat. No. ATXN3-1053HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATXN3 full-length ORF (NP_001019802.1, 1 a.a. - 79 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	79 amino acids
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. [provided by RefSeq, Jul 2016]
Molecular Mass	35.4 kDa
AA Sequence	MESIFHEKQE GSLCAQHCLN NLLQGEYFSP VELSSIAHQL DEEERMMAE GGVTSEDYRT FLQQPSGNMD DSGFFSIQK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ATXN3 ataxin 3 [Homo sapiens]
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