

## Product datasheet for **RC228227L4V**

### Ataxin 3 (ATXN3) (NM\_001164781) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ataxin 3 (ATXN3) (NM_001164781) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Ataxin 3
Synonyms:	AT3; ATX3; JOS; MJD; MJD1; SCA3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001164781
ORF Size:	873 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228227).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001164781.1</a> , <a href="#">NP_001158253.1</a>
RefSeq ORF:	876 bp
Locus ID:	4287
Cytogenetics:	14q32.12
Protein Families:	Druggable Genome, Transcription Factors
MW:	33.2 kDa



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**Gene 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]