

Product datasheet for RC228117L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Ataxin 3 (ATXN3) (NM_001164780) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Ataxin 3 (ATXN3) (NM_001164780) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Ataxin 3

Synonyms: AT3; ATX3; JOS; MJD; MJD1; SCA3

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

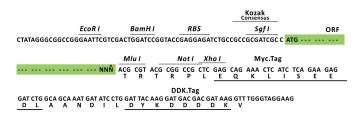
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC228117).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001164780

ORF Size: 546 bp





Ataxin 3 (ATXN3) (NM_001164780) Human Tagged Lenti ORF Clone - RC228117L3

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. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001164780.1</u>

 RefSeq ORF:
 549 bp

 Locus ID:
 4287

 UniProt ID:
 P54252

Cytogenetics:

Protein Families: Druggable Genome, Transcription Factors

14q32.12

MW: 20.5 kDa

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]