

Product datasheet for **RR202345**

Atxn3 (NM_021702) Rat Tagged ORF Clone

Product data:

| | |
|--------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Atxn3 (NM_021702) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Atxn3 |
| Synonyms: | MJD1; Rsc3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RR202345 representing NM_021702 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGTCCATCTCCACGAGAAACAAGAAGGCTCCCTTTGCGCTCAGCATTGCTTGAATAACCTCTTAC
AAGGAGAGTATTTAGCCCCGTGGAGCTGTCTCAATTGCACACCAGCTGGATGAAGAGGAGAGGCTGCC
GATGGCGGAAGGAGGGGTCACGAGCGAAGACTACCGCACATTTTACAGCAGCCTTCTGGAAATATGGAC
GACAGCGGCTTTTTCTCTATTCAAGTTATAAGCAATGCCTTGAAAGTTTGGGGTTTGAAGCAATCTAT
TCAACAGTCCAGAGTACCAGAGGCTCAGAATCGATCCTATAAATGAAAGATCCTTTATATGCAATTATAA
AGAACTGGTTTACAGTTAGAAAATTAGGAAAACAGTGGTTAACTTGAATTCTTTGTTGACTGGTCCA
GAGCTAATATCAGATACATACCTCGCACTGTTCTTGGCTCAGTTACAGCAAGAAGGTTATTCTATATTTG
TTGTTAAGGGTGATCTGCCAGATTGTGAAGCTGACCAACTTTTACAGATGATCAAGGTCCAACAGATGCA
TCGACCAAACTTATTGGAGAAGAACTCGCACATCTGAAAGAGCAGAGCGCCCTCAAAGCAGATCTGGAG
CGAGTCTTAGAGCGGCTGACGGCCGGGAATGTTTGATGATGATGAGGACGATTTACAGAGGGCTCTGG
CCATGAGTCGCCAGGAAATCGACATGGAGGACGAAGAAGCCGATCTCCGACGGCCATTCAGCTCAGTAT
GCAAGGTAGTCCAGAGGTATGTGTGAAGATAGTCCGCAGACATCAAGCACAGATCTTTCTCAGAAGAG
CTGCGGAAGAGGAGAGAAGCCTACTTTGAAAAGCAACAGCATCAGCAACAGGAAGCAGACCGACCTGGAT
ACCTTTTCATACCCATGTGAAAGACCCACCACAAGTTCAGGAGGACTCCGGAGCAACCAAGCAGGCAATGC
TATGAGTGAAGAGGACGTGCTTCGGGCAACTGTGACTGTGCTTTAGAACTGCTAAAGACAGTTTGAA
GCAGAAAGAAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202345 representing NM_021702
 Red=Cloning site Green=Tags(s)

MESIFHEKQEGSLCAQHCLNNLLQGEYFSPVELSSIAHQ LDEEERLRMAEGGVTS EDYRTFLQQPSGNMD
 DSGFFSIQVISNALKVWGLELILFNSPEYQRLRIDPINERSFCINYKEHWFTVRKLGKQWFNLSLLTGP
 ELISDTYLALFLAQLQEGYSIFVVKGLDPCEADQLQMIKVVQMHPRKLI GEELAHLKEQSALKADLE
 RVLEAADGPGMFDDDDDLQRALAMSRQEIDMEDEEADLRRAIQLSMQGS SRGMCEDSPQTSSTDLSSEE
 LRKRREAYFEKQQHQQQEADRP GYLSYPCERPTTSSGGLRSNQAGNAMSEEDVLRATVTVSLETAKDSLK
 AERKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

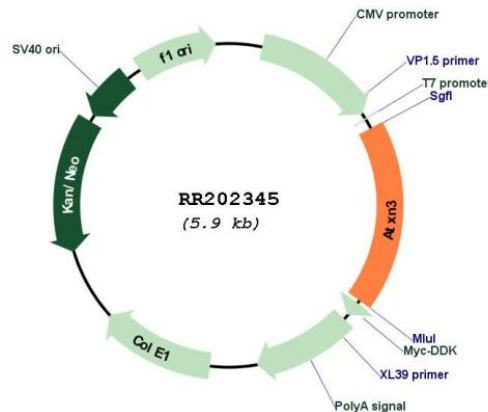
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_021702

| | |
|-------------------------------|---|
| ORF Size: | 1065 bp |
| 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: | <ol style="list-style-type: none">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: | NM_021702.1 , NP_067734.1 |
| RefSeq Size: | 3071 bp |
| RefSeq ORF: | 1068 bp |
| Locus ID: | 60331 |
| UniProt ID: | O35815 |
| Cytogenetics: | 6q32 |
| MW: | 40.4 kDa |
| Gene Summary: | gene associated with spinocerebellar ataxia type 3 [RGD, Feb 2006] |