

## Product datasheet for **RC226717**

### **ATXN7L1 (NM\_138495) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | ATXN7L1 (NM_138495) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | ATXN7L1                                    |
| Synonyms:                 | ATXN7L4                                    |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**ORF Nucleotide  
Sequence:**

>RC226717 representing NM\_138495  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGTAGACCTTCTCCCTCTCCAGTGTCTCCAGCCTCCAATCCCAGGACATCACTAGTACAGGTGAAAA  
 CAAAAGCCTGTCTCAGCGGCCATCACTCTGCCAGCAGCACCTCAAAGCCATTCAAACGCCCAAAGACAA  
 TCTACTTACCTCCAGCAGCAAAACAGCACACAGTCTTTCCTGCGAAAGGATCAAGGGATAAACCATGTGTT  
 CCAGTTCTGTAGTCAGTTTAGAGAAAATTCCTAACCTAGTGAAGGCAGATGGTGCCAATGTCAAATGA  
 ACTCCACAACCACTACTGCAGTTTCTGCCTCCTCCACCTCGTCTCTGCCGTCTCCACCCCTCCTTTAAT  
 TAAGCCTGTCTGATGTCCAAGTCAGTGCCACCTTCACCAGAGAAGATCTTAAATGGCAAAGGAATCTG  
 CCAACCACCATAGACAAGAAACACCAAAATGGCACCAAAACAGCAACAAGCCTTACAGGAGACTTTCAG  
 AGAGAGAAATTTGACCCAAATAAACACTGTGGAGTATTGGATCCCGAGACAAAGAAACCTTGCACAAGATC  
 CCTCACCTGCAAGACACATTCGTAAGCCATCGGAGGGCAGTCCAGGCCGAAAAAGCAATTTGACCTC  
 CTCTGCGCAGAACACAAAGCAAAGTCCCGGAAAAAGAAAGTTAAAGATAAAGAGCATCTCCTGACTTCCA  
 CGAGGGAAATACTTCAAAGCCAATCCGGGCCGGCACAGGATTCTCTGCTAGGGTCTTCAGGGAGCTCTGG  
 GCCAGAACCAAAAGTTGCATCCCTGCAAAATCCAGACCACCAACTCTGTACTTCTAGACCATCATCT  
 GCAAAATAGCATAAGCAGCAGCACATCTTCAAATCATAGCGGCCACACTCCAGAGCCCCACTCCCACCGG  
 TTGGAGGTGACCTCGCCAGCCGACTGTCCAGTGATGAAGGGGAGATGGACGGAGCCGACGAATCCGAGAA  
 GCTAGACTGTGAGTTCTCCACGCCACCCAGACCTCTGGCGTTTTGCTCATTTGGGAGTCGCCTCATG  
 GGACGAGGGTACTATGTGTTTGATAGAAGATGGGATCGTTTTCGATTGCGACTAACTCCATGGTAGAAA  
 AACACCTGAATTCACAGATGTGGAAGAAGATCCCTCCTGCGGCAGATAGCCCCCTGCCCTCGCCAGCAGC  
 CCACATCACACCCCCGTTCCAGCATCCGTTTTGCAGCCTTTCAGCAACCCCAAGTGTGTATCTTCCT  
 TCAGCTCCCATCAGCTCGAGGCTCACCTCTTACATAATGACATCAGCCATGCTCTCAAACGCAGCTT  
 TCGTGACATCGCCGACCCGAGCGCCCTCATGTCCACACCACAGCTTTCCTCATGTGGCCGCAACCTT  
 CAGCATCATGGACTCAACCTTCAAGGCCCATCCGCCGTGTCCCGGATACCAGCCGTATCCCTTCCCCA  
 TCCCACAAGCCATCCAAAACAAAACAGCAAATCCTCAAAGTCAAAGACCTGTCCACCCGTAGCGACG  
 AGTCTCCAAGTAACAAAAAAGGAAGCCACAGTCTTCGACTTCTCCTCCTCCTCCTCCTCCTCCTCCTC  
 CTTGCAGACATCCCTCTCGTCTCCACTGTCAGGGCCTCACAAAAAGAACTGTGTTTTGAATGCCAGTTCT  
 GCTTTGAACTCCTATCAGGCGGCCCTCCCTATAACAGCCTGTCTGTGCACAACTCAAACAATGGGGTGA  
 GCCCACTCAGTGCCAACTGGAGCCCTCAGGACGGACCTCGCTGCCCGGCGGCCCGCGGACATAGTGAG  
 ACAGGTGGGCGCGGTGGGAGGCAGCAGTGACTCCTGTCCCTCTCTGTGCCCTCCCTTGCCTCCACGCA  
 GGGGACCTCTCTTGGCCTCACACAATGCTGTGCTTCTCTGCCCTCTCTTTTGACAAATCAGAAGGAA  
 AAAAGCGTAAGAAGTTCGAGTTCTAGTAGCAAAGCCTGTAAATCACTAAATGCCTGGTATGAATAGCGT  
 TCACAAAAAGAACCCGCCAGCCTTCTCGCACCAGGTGCCCGATCCCGTTAACAGCACCTCCTCTCGGCAG  
 GTTGGGAAAAATAGCAGCCTAGCTTTGTCACAATCCAGTCCTTCAAGTATATCCAGCCCAGGACACAGCC  
 GACAGAAGAACACAAACAGAACGGGCAGGATAAGGACTTTCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC226717 representing NM\_138495  
Red=Cloning site Green=Tags(s)

MCRPSPSPVSPASNPRTSLVQVKTKACLSGHHASSTSKPFTKPKDNLLTSSSKQHTVFPAGSRDKPCV  
PVPVVSLEKIPNLVKADGANVKMNSTTTTAVSASSTSSSAVSTPPLIKPVLMSKVPPSPEKILNGKGIL  
PTTIDKKHQGTKNKNPYRRLSEREFDPNKHCGVLDPETKKPCTRSLTCKTHSLSHRRVAVPGRKKQFDL  
LLAEHKAKSREKEVKDEHLLTSTREILPSQSGPAQDSLLGSSGSSGPEPKVASPAKSRPPNSVLPSPSS  
ANSISSSTSSNHSGHTPEPPLPPVGGDLASRLSSDEGEMDGADESEKLDQCQFSTHHPRLAFCFSFGSRM  
GRGYYVDFRRWDRFRFALNSMVEKHLNSQMWKIPPAADSPLPSAAHITTPVPASVLQPFNSPASYLP  
SAPISSRLTSSYIMTSAMLNAAFVTSPDPSALMSHTTAFPHVAATLSIMDSTFKAPSAVSPIPAVIPSP  
SHKPSKTKTSKSKVKDLSTRDESPPSNKKRPQSSTSSSSSSSSSLQTSLSPLSGPHKKNCVLNASS  
ALNSYQAAPPYNLSVHNSNNGVSPLSAKLEPSGRTSLPGGPADIVRQVGAVGGSSDSCPLSVPSLALHA  
GDLSLASHNAVSSLPLSFDKSEGKKRKNSSSSSKACKITKMPGMNSVHKKNPSSLAPVDPVNSTSSRQ  
VGKNSSLALSQSSPSSISSPGHSRQKNTNRTGRITLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_138495

**ORF Size:** 2214 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:**

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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM\_138495.1, NP\_612504.1

**RefSeq ORF:** 2217 bp

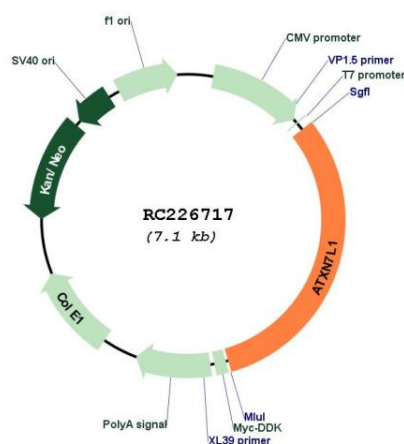
**Locus ID:** 222255

**UniProt ID:** Q9ULK2

**Cytogenetics:** 7q22.3

**MW:** 77.7 kDa

## Product images:



Circular map for RC226717