

## Product datasheet for **RC206079**

### **ATXN7L1 (NM\_152749) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATXN7L1 (NM\_152749) 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)  
**ORF Nucleotide Sequence:** >RC206079 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGTCGGAGCGTTCTCGAATCCCGTGTCTCTCGGCTGCTGCTGCCGAAGGAACAGGGAAAAAGCAAC  
AAGAAGGAAGAGCAATGGCGACTGGATCGCAAAGTCCCGAGTCCGGAGGCGTTTCTGGGCAAACCCTG  
GTCCTCCTGGATCGACGCCCAAATTACTGCTCCGACAATGTAGATTTAGAAGAGGCTGAAAAAGAG  
GGTGGAAAAAGCAGGGAGGTTATGAGGCTTAATAAAGAAGATATGCACTTATTTGGCCATTACCCAGCAC  
ATGACGACTTCTATCTCGTAGTGTGCAGTGCCTGTAACCAGGTCGTCAAGCCACAGGTTTTCCAGTCGCA  
CTGCGGGAGAAAGCAAGACAACAGGAGAAATGAAGGCATCTCCAGGAGTGGACCAGAGAGCAGCCAAGCC  
ATAGAGAAGCATCAGGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC206079 protein sequence  
Red=Cloning site Green=Tags(s)  
MTSERSRIPCLSAAAAEGTGKKQQEGRAMATLDRKVPSEAF LGKPWSSWIDA AKLHCS DNVDLEEAGKE  
GGKSREVMRLNKEDMHLFGHYPAHDDFYLVVCSACNQVVKPQVFQSHCGRQDNRRNEGISRSGPESSQA  
IEKHQV

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6317\\_a08.zip](https://cdn.origene.com/chromatograms/mk6317_a08.zip)



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_152749

ORF Size: 438 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.

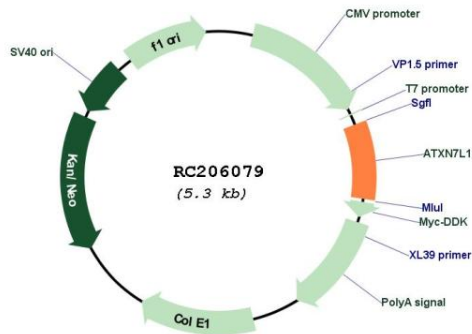
RefSeq: [NM\\_152749.3](#)

RefSeq Size: 1656 bp

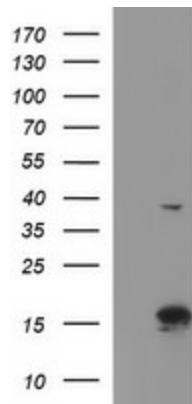
RefSeq ORF: 441 bp

Locus ID: 222255

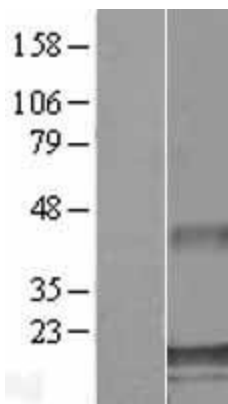
UniProt ID: [Q9ULK2](#)  
 Cytogenetics: 7q22.3  
 MW: 16.2 kDa

**Product images:**


Circular map for RC206079



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ATXN7L1 (Cat# RC206079, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ATXN7L1 (Cat# [TA505708]). Positive lysates [LY407300] (100ug) and [LC407300] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY407300]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206079 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

