

Product datasheet for **RG207854**

ATXN7L2 (NM_153340) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ATXN7L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG207854 representing NM_153340
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGTGCGTGAACGCGCGCGGCAGCAATGGCCGCTCTGGAGCGCGGGTGCCGAGTCTCGATGACT
 TCGCGGGACAGAGCTGGAGCTCGTGGGTGGAGCGGGCCGACCTGCCCGCGGCTGACGGGGCTGAGCTGGA
 GGAGAGTAGCAAAACACGAAGAAGTTGGATGCCATGACCCTCATTAAAGAAGACATGTCCATCTTCGGG
 CACTGCCCTGCCATGATGACTTCTACTTGGTTGTGTGAACCACTGCAGCCAAGTGGTGAAGCCTCAAG
 CTTTCCAGAAGCACTGCGAAAGAAGACATGGGCCCTCAGCAAGCTTTATGGCCGGGCCCCACCCCCACC
 TCCAGGCCCTGCCAGCTCTCAGAAATGCCATGTAGTGAATGGGCAGGGGCCAGCTTGTAGGGCCCCAGGT
 TCCACGAAAACCTCCTCCAGGAGAAGGGCCAGGGTCCCGAGCGTGGCCACCAGCCTCTGAGAAGA
 CCCAGAAGGACAACCTCTGCCAGCCAGGGGGCTCACCAAGGACTCCCCTGGAAAACCTCCCATGGCTCC
 CCCTTCTAAAGAACCTCCTGGCAGAGAGAACATCGAGATCATCCCCAGTGAGGGGTCCAGTCACTGGGCT
 GAAGGCAGCCCTCTGAAAAGGAGCCAGTGGGACCAGGCTGCCCCCTAAAACCCACCGGAAGATGGCTC
 GGAAGGAGTGCGACCTCAACAGGCAGTGTGGGGTAATAATCCAGAGACCAAAAGATCTGTACCCGCT
 GTTGACCTGCAAGATCCACTCAGTACACCAAGCGCCGGGAAGTCCAGGGCCGGGCAAGGACTTTGACGTG
 CTGGTGGCAGAGCTGAAGGCCAATCCGCAAGGGGAGTCTCCAAGGAGAAGAGCCAGGGCGCAAGG
 AGCAAGTTTCTCGAGCGCCCTCCAGGAGCTCCCTCCTCAGTCCAGTTGTAGCAGCGGTGGCTGCTCC
 CAGCAGCACCTTCTGTCTGTGCCAAGCAGACCTACCCATACTGTGCACTGCCAGGTCCCGGGCTCC
 TCCGAGAGTGAATTGGATGATGAAGGCCCTGTGGTGGTATGGGGACCCAGGCCTGTTCCCTTCCCCA
 TGCCCCGGGGTGGGACCCAGGCCTCCAGCAAGAGAGTGAGGAGGAGGGGACATCTGACGACCTCCACCC
 ACCCCCTGACTGCCATTATGCAACCGGCCCCACGGCCACAGGCGTTCTGCACCTTTGGGAGCCGGCTG
 GTGAGCCCAGGATGCTATGTGTTTAGCCGCGGCTGGACCGGTTCTGCTCAGCACTCAGTCCATGCTGG
 AACGGCACCTCAGCACACATGTGGAAGAAGATCCACCGGCAGCTGAACCTCCAGTTACCTTGTCAA
 CTCCCCGTATCTGCTCCCTGAGCCCATCTCTACAGGCACCTGCCCGGCTTCCAGGTCCAACCTG
 AGACCTGCGCTGCCAGCCTCCATGCCCCCAACCAAGGACAACCTTGTCCCAGCTACCCTGCAGGCTCCC
 CCAGCGTGCGGGTGCCTGTAGCCAGGCAGAGTGCATGGGGAGCCAGGCTATCACCTCACCAGTGCCTG
 CCAACACGCCATCCCGTCTTTCAGCAAGTCCGCGCTTCCAAGGCCAGCAAGTATCCAAGGCAAGGA
 CGGGGTGGAGGTGAGGCCCTTCTCGAAAGCGGAAGTTATCCCTGGCCCTACCACTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207854 representing NM_153340
 Red=Cloning site Green=Tags(s)

MAVRERAAAAMALERRVPSLDDFAGQSWSSWVERADLPAADGAEESSKNTKKLDAMTLIKEDMSIFG
 HCPAHDDFYLVVNCNHSQVVKPQAFQKHCERRHGPLSKLYGRAPPPPPAPASSQKCHVNVNGGPACRAPG
 STKTSSREKGQGSRSRGHPPEKTQKDNLCQPGGLTKDSPGKPPMAPPSKEPPGRENIEIIPSESSSHA
 EGSPPEKPSGTRLPPKTHRKMARKECDLNRQCGVINPETKKICTRLLTCKIHSVHQRREVQGRAKDFDV
 LVAELKANSRKGESPEKSPGRKEQVLERPSQELPSSVQVVAVAAPSSTFSVRAKQTYPYCALPRSRAS
 SESELDDEGPCGGDGPGLPFPMPRGGTQASSEESEEGTSDDLHPPPDCHYATRPPRPQAFCTFGSRL
 VSPGCVYVSRRLDRFCALSMLERHLSTHMKKIPPAEPPVHLVNSPLSAPLSPSSTGTCPRLPGPTL
 RPACPASMPPTKDNLVPSYPAGSPSVAACSAECMGEPGYHLTTACQHAIPVLQQAFAFQGGQVIRQ
 RGGGGGPFKAIEVIPWPYHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153340

ORF Size: 1740 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.

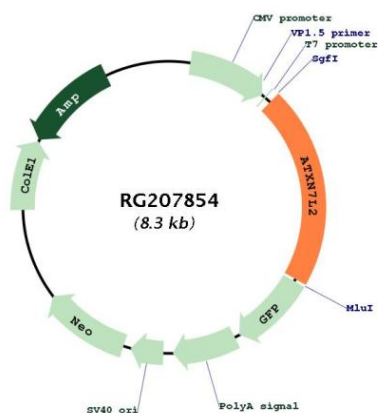
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_153340.2](#), [NP_699171.2](#)

RefSeq Size: 2318 bp

RefSeq ORF: 2169 bp
 Locus ID: 127002
 UniProt ID: [Q5T6C5](#)
 Cytogenetics: 1p13.3

Product images:



Circular map for RG207854