

Product datasheet for **MG221234**

Atxn7l2 (NM_175183) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Atxn7l2
Synonyms:	2610528J18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG221234 representing NM_175183
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCCTCATTAAAGAAGACATGTCCATCTTCGGGCACTGCCCTGCCCATGATGACTTCTATTTGGTTG
 TATGTAACCACTGCAGCCAGGTGGTGAAGCCCCAAGCCTTCCAGAAGCATTGCGAAAGAAGACATGGGCC
 CCTCAGCAAGCTTTATGCCCGGGCCCCACCCCCACCTCCAGCCCCCTGCCAGCTCTCAAAAATGCCATGTA
 GTGAATGGGCAGGGCCAGCTTGTAGAGCCCCAGGTTCCACCAAAACCTCCTCCAGGGAGAAGGGCCAGG
 GGTCCCGGAGCCGTGGCCATCAGCCTCCTGAGAAGACCCAGAAGGACAGCCTCTGCCTTTTCGTGCCTGT
 GGTGAATCTGGAGAAGATATCCAGTCTCCGAAACCTGATGCACATGGAGTCAGGGTGGCCCCACCTCT
 GCTCTCCTCAGTCAGCCAGGAGGCCTCCCCAAGGACTCCCCTGGAAAAGTCCCCACGGCCCCCTCTCCTA
 AAGAACCTCCTGGCAGAGAGAATCGAGCTTGTCCCGGTGAGGGCTCCAGTCACCGCGCCGAAGGCAG
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 CGAAGTGAAGGCCAGCTCCCGAAAAGGAGAGTCTCCAAGGAGAAGAGCCAGCACAAAGAGCCAGCT
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 CCTTCTCTTCTGTCTAAGCAGACCTATCCGTACTGTGCACTCCCAGGTCCCATGCCTCCTCTGAGAG
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 GGTGGGGCCAGGCCTCCAGTGAAGAGAGTGAAGAGGAGGGGATATCTGATGACCTCCACCTTTCCCTG
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 AGGATGCTATGTGTTAGCCGCCGGCTGGAACCGGTTTTGCTCAGCACTCAGCTCCATGCTGGAACGGCAT
 CTCAGCTCACACATGTGGAAGAAAATCCCACCAGCAGCCGAGCCTCCATCCCATCTTGTGCTAGTCCATCTT
 TATCTGATCCCTTGAGTCCATCCCCATGAGGCACTGTCCCGACTTCCAGGTCCAGCCCCCGACCTGC
 CTGTCCAGCCTCCATACCCCCGTCAAGGACAGCCTTGTCCCTAGCTATCCTGCAGGCTCCCCAGTGTGA
 GCAGCTGCCTGCAGCCAGGCAGAGTGCATGGGCGGTAGCCAGGCTATTACCTCACCGCTGCCTGCCAACA
 CTCCATCTCCGTCTTCAGCAAGCTGCCACCTTCCAAGGCCAGCAAGTATCCAAGGCAAGGAGGGGT
 GGAGATGGAGGCCCTTCTCGAAAGCGGAAGTTATCCCCTGGCCCCACCACCTTCAAACGGACCTGCATC
 CTGGAGCCTGCTGGAAGGGCAAACCTCTAGCTGTGGGGTCTCTCAACCAAGACTAAAACAGCCCTGA
 ACTTGGGGCTTAATGGAACAGTGGGGCCACGAGTGAAACGGGCCGGTCCCCTGGACTGTCGGGGTCCCC
 TCATCCATCCCCATACCCGTCAAGGCTTCTCAGCTAGAAAACCGAGGAGTGGCCGGACACCCAGCTAAG
 GTCTTGCAACACCTGCCTCTCCGAGGAGGAGGTAGCCAAGAAGCGGAAAAACCTGGCCACTTACTGCC
 GGCCAGTCAAGGCCAAGCACTGTAGGCTGGTGTCCCTCCTGATGGGACCTGCTGTGCGTGCAGAA
 GCCAGGTCCAGCCTGCCCTTGGAGAGAAGTGTCTACACTGAAGTCAAAAGCTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221234 representing NM_175183
 Red=Cloning site Green=Tags(s)

MTLIKEDMSIFGHCPAHDFFYLVCNHCQVVKPQAFQKHCERRHGPLSKLYARAPPPPPAPASSQKCHV
 VNGQGPACRAPGSTKTSREKQGQSRSRGHQPPEKTQKDSLCLFVPPVNLEKISSLPKPDAGHVRVAPPS
 ALLSQPGLPKDSPGKVPTAPSPKEPPGRENIELVPGESSHRAEGSPPEKEASGARLPPKTHRKMARKE
 FDLNRQCGVINPETKKICTRLTLCKIHSVHQRREVPGRAKDFDLVLAELKASSRKGESPEKESPAHKEPA
 LERPSQEPPTAVQVAAVAAPNTTFSSLSKQTPYCALPRSHASSESEVDEGPCGGDGPGLFPFPLPR
 GGAQASSESEEEGISDDLHLSPDCHYATRRPQAFCTFGSRLVSPGCVYFSRRLDRFCALSMLERH
 LSSHMWKIPPAEPPSHLVPSLSDPLSPSPMGSCPRLPGAPRPACPASIPVKDSLVPSPYAGSPSV
 AAACSQAEQMGGSQAITSPLPANTPSPSFKLPPSKASKSSKKEGVEMEAPSRKRKLSPGPTTFKRTCI
 LEPAGKGKPSRCGLSTKTKTALNLGLNGTVGPRVKRAGPLDCRGSPHSPPIPVKASQLENRGVAGHPAK
 VLPTTCLSEEEVAKKRKNLATYCRPVKAKHCQAGVPPDGTCSVRRKKPGPALPFEKCSLTKSKAH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175183

ORF Size: 2088 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_175183.5](#), [NP_780392.1](#)

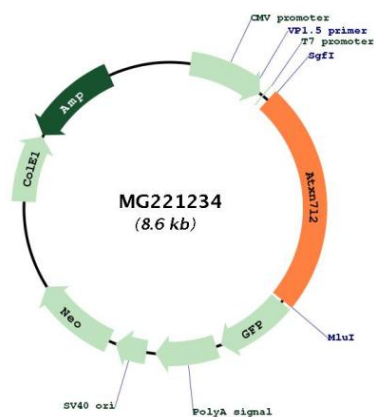
RefSeq Size: 3011 bp

RefSeq ORF: 2091 bp

Locus ID: 72522

Cytogenetics: 3 F2.3

Product images:



Circular map for MG221234