

Product datasheet for **MR221234**

Atxn7l2 (NM_175183) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Atxn7l2
Synonyms:	2610528J18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR221234 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCCTCATTAAAGAAGACATGTCCATCTTCGGGCACTGCCCTGCCCATGATGACTTCTATTTGGTTG
 TATGTAACTGAGCCAGGTGGTGAAGCCCCAAGCCTTCCAGAAGCATTGCGAAAGAAGACATGGGCC
 CCTCAGCAAGCTTTATGCCCGGGCCCCACCCCACTCCAGCCCTGCCAGCTCTCAAAAATGCCATGTA
 GTGAATGGGAGGGCCAGCTTGTAGAGCCCCAGGTTCACCAAAACCTCCTCCAGGAGAGAGGGCCAGG
 GGTCCCGGAGCCGTGGCCATCAGCTCCTGAGAAGACCCAGAAGGACAGCCTCTGCCTTTTCGTGCCTGT
 GGTGAATCTGGAGAAGATATCCAGTCTCCGAAACCTGATGCACATGGAGTCAGGGTGGCCCCACCTCT
 GCTCTCCTCAGTCAGCCAGGAGGCTCCCCAAGGACTCCCTGGAAAAGTCCCCACGGCCCCCTCTCCTA
 AAGAACCTCCTGGCAGAGAGAATCGAGCTTGTCCCGGTGAGGGCTCCAGTCACCGCGCCGAAGGCAG
 CCCCCCGGAGAAGGAGGCCAGTGGAGCCAGGCTTCTCCTAAAACCCACCGAAAGATGGCTCGGAAGGAG
 TTCGACCTCAACAGGCAGTGCAGGGTCAATAATCCAGAGACCAAGAAGATCTGTACACGCCTATTGACTT
 GCAAGATCCACTCAGTCAGCCAGGAGGAGTCCCAGGCAGGGCCAAGGACTTTGATGTGCTAGTGGC
 CGAAGTGAAGGCCAGCTCCCGAAAAGGAGAGTCTCCAAGGAGAAGAGCCAGCACAAAGAGCCAGCT
 CTGGAGCGCCCATCCAGGAGCCTCCACTGCAGTCCAGGGTGTGGCAGCGTAGCTGCCCCCAACACCA
 CCTTCTCTTCTGTCTAAGCAGACCTATCCGTACTGTGCACTCCCAAGTCCCATGCCTCCTCTGAGAG
 TGAGGTGGATGACGAAGGTCCCTGTGGTGGTATGGGGATCCAGGCCTATTCCCTTCCCTCTGCCCGG
 GGTGGGGCCAGGCCTCCAGTGAAGAGAGTGAAGAGGAGGGATATCTGATGACCTCCACCTTTCCCTG
 ACTGCCATTACGCAACTCGCCCCCAGGCCACAGGCGTTTTCACATTTGGAAGCCGGCTGGTGAAGCC
 AGGATGCTATGTGTTAGCCGCGCGGTGACCGGTTTTGCTCAGCACTCAGCTCCATGCTGGAACGGCAT
 CTCAGCTCACACATGTGGAAGAAAATCCCACCAGCAGCCGAGCCTCCATCCCATCTTGTAGTCCATCTT
 TATCTGATCCCTTGAAGTCCATCCCTATGGGCAGCTGTCCCGACTTCCAGGTCCAGCCCCCGACCTGC
 CTGTCCAGCCTCCATACCCCGTCAAGGACAGCCTTGTCCCTAGCTATCCTGCAGGCTCCCCAGTGA
 GCAGCTGCCTGCAGCCAGGACAGTGCATGGGCGGTAGCCAGGCTATTACCTCACCGTGCCTGCCAACA
 CTCCATCTCCGTCTTCAGCAAGCTGCCACCTTCCAAGGCCAGCAAGTATCCAAGGCAAGGAGGGGT
 GGAGATGGAGGCCCTTCTCGAAAGCGGAAGTTATCCCTGGCCCCACCACTTCAAACGGACCTGCATC
 CTGGAGCCTGCTGAAAGGGCAAACCTCTAGCTGTGGGGTCTCTCAACCAAGACTAAAACAGCCCTGA
 ACTTGGGGCTTAATGGAACAGTGGGGCCACGAGTGAACGGGCGGTCCCTGGAGTGTGGGGTTCCCC
 TCATCCATCCCCATACCCGTCAAGGCTTCTCAGCTAGAAAACCGAGGAGTGGCCGGACACCCAGCTAAG
 GTCTGCCAACACCTGCCTCTCCGAGGAGGAGTAGCAAGAAGCGGAAAAACCTGGCCACTTACTGCC
 GGCCAGTCAAGGCCAAGCACTGTAGGCTGGTGTCCCTCCTGATGGGACCTGCTGTGCGTCGCAAGAA
 GCCAGTCCAGCCTGCCCTTGGAGAGAAGTGTCTACACTGAAGTCAAAAGTCTAT

ACGCGTACGCGGCCGTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221234 protein sequence
 Red=Cloning site Green=Tags(s)

MTLIKEDMSIFGHCPAHDDFYLVVCNHCSQVVKPQAFQKHCERRHGPLSKLYARAPPPPPAPASSQKCHV
 VNGQGPACRAPGSTKTSSREKQGGSRSRGHPPEKTQKDSLCLFVPVNNLEKISSLPKPDAGHGVVAPPS
 ALLSQPGGLPKDSPGKVPTAPSPKEPPGRENIELVPGESSHRAEGSPPEKEASGARLPPKTHRKMARKE
 FDLNRQCGVINPETKKICTRLLTCKIHSVHQREVPGRAKDFDVLVAELKASSRKGESPEKESPAHKEPA
 LERPSQEPPTAVQGVAAVAAPNTTSSLSKQTPYCALPRSHASSEVDDEGPGGDDPGLFPFPLPR
 GGAQASSESEEEGTSDDLHLSPDCHYATRRPQAFCTFGSRLVSPGCVFVSRRLDRCFCSALSSMLERH
 LSSHMWKKIPPAEPPSHLVSPSLSDPLSPSPMGSCPRLPGPAPRPACPASIPPVKDSLVSYPAGSPSV
 AAACSQAECMGGSQAITSPLPANTSPSPSKLPPSKASKSSKKEGVEMEAPSRKRKLSPGPTTFKRTCI
 LEPAGKGKPSRCGLSTKTKTALNLGLNGTVGPRVKRAGPLDCRGSPHPSPIPVKASQLENRGVAGHPAK
 VLPTTCLSEEEVAKKRKNLATYCRPVKAKHCQAGVPPDGTCSVRRKKPGPALPFEKCSLTKSKAH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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).

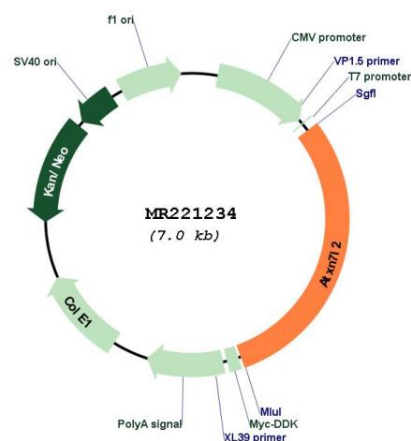
Reconstitution Method:

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:	<u>NM_175183.5, NP_780392.1</u>
RefSeq Size:	2638 bp
RefSeq ORF:	2091 bp
Locus ID:	72522
Cytogenetics:	3 F2.3
MW:	74 kDa

Product images:



Circular map for MR221234