

Product datasheet for MR211531

Atxn2l (NM_183020) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atxn2l (NM_183020) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atxn2l
Synonyms:	A2D; A2LG; A2lp; A2RP; Atxn12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211531 representing NM_183020 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGAAGCCTCAGCCGCCACAACAGACCTCCCAACCCAGCAGCCGCCCCACGCAACAGGCCGTGG
CTCGCCGCTCTCCGGCGGGACCAGCCCTCCCAACGGCGGCTCCCGGGACCGCTGACCGCCACCGCGGC
TCCCCGGGGCTCCCGCAGCGGTCTCTCGTGCCTGGGGCTGCAGCCGCTGCCGGCAGCGGACTTCGC
CGCGGAGCCGAAAGCATTTAGCGCGTACGCGCCGCGCAGCATCAAGAAAGGCCAGGGCAGTGGCTA
TCGGCAGCGTCAGGGACAGACCACCGAAAGGGACCCACAGTCACCCGTGTTGAAGGTGTCTATAA
CAATCCAGGATGCTGCATTTCCGACAGCTGTAGTGGTTCTACTTGTGACGTAAGGTGAAAAATGGC
ACCACTTACGAGGGCATTTCAGACTCTGAGCTCAAAGTTTGAAGTGGCAGTTGACGCGGTGCATCGGA
AAGCATCTGAGCCAGCAGGTGGGCTCGCCGGGAAGACATTGTGGACACCATGGTGTAAACCAAGCGA
CGTTCTGCTTGTCCACTCCGAAATGTTGACTTCAATTATGCTACTAAAGATAAGTTCAGTACTCAGCC
ATTGCCATGAAGTCTAAGGTGAATGGAGAACACAAAGAGAAGGTGCTTCAACGTTGGGAGGGCGGTGACA
GCAACAGTGACGACTACGATCTGGAATCCGATATGTCTAATGGATGGGATCCCAATGAGATGTTCAAATT
TAATGAGGAGAACTATGGAGTGAAGACCACCTATGACAGCAGTCTATCTTACACGGTCCCTTAGAA
AAGGCAACTCTGAAGATTTCCGGCAGCGGGAGCTTCGAGCGGCCAGTTGGCTCGAGAGATTGAGTCTA
GTCCCCAGTACCGCTACGGATTGCTATGGAAAATGACGATGGGAGAACAGAGGAGGAGAAGCACAGTGC
TGTTACGCGCAGGGGTCTGGGCGGAGAGCCCAAGCTTGGTATCCAGGAGGGGAAGTATATCCCCCTG
CCTCAGCGAGTTCGAGAAGGTCCCCGGGAGGAGTTCGATGCAGCAGTTCGAGGAGGGCGCCCTGGCC
TTAGCTCTTGCCACCTCGTGGCCCTCACCATCTTGACAACAGCAGTCTGGCCCTGGGTCTGAGGCACG
TGGTATCAATGGAGTCTTCCCGCATGTCCCCAAGGCACAGCGGCTCTGAGAGGTGCCAAGACCTTA
TCTTACCAGCAATAGGCCTTCTGGAGAAGCTTCTGTTCTCCAACATCTGCAGCTCTCCCTTTCTTC
CAGTGGGCGGATGTACCCTCCAGGTCTCCAAGTCTGCTGCCCTGCCCGAGTCTCAGCTTCTGTCC
TGAGCCTCCATTGGTTCGGCAGTGGCGTCTCTGCCATCCCTGTGACATCATCAGTTGTGGATCCT



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GGTGCAGGCTCTATTTCCCGGCATCTCCAAAACCTCCCTGACCCCTACAGATGTAAAAGAACTCCCAA
 CCAAGGAGCCAGTAGGAATTTGGAAGCCAAGAAGCTGGCCCGCATAGCTGGGAAAGTCCCTGGCCTTCA
 GAATGAACAAAAACGATTTTCAGTTGGAAGAAGTGAAGAAATTTGGGGCCAGTTTAAAGCTCAACCTAGT
 AGCTCCCTGAGACGGGCTGGATCCATTTCTTCCCGGATCTTGAAAGAAGAGGCCAAAGGAAAGGAGA
 AAGAGTGGATGGTCTATTGACTTCAGATCCTATGGGATCCCGAGTCTCCTTAAGACAGAATCCATATT
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 CCTATCCACACCATGCCACGCAGCTCCATGGCCACCAGCCGACGCCGACCACACCTACTGGGAGCCA
 GCCACAATCCCAGCATGCGGCCCCAGTCCCGTTCAGCACAGCGGGGAGGCCCTCACCTGGGAGT
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 CTTCTGCCAGTCCCCTCAAAGCAGTTCACCCAGCCAGCTGCTGTGTATGCCATCCATCCCACAGCA
 GCTGCCCCACGGCTTACCAACATGGCCATGTTACCCAGGCCATGTCCAACTGGAGTACAGCAGCC
 CCGCCCCACACCCTGGGGTCCCCACCGCCCCAGGTGATGCTGCTGCACCCCCCAGGGCCATGGGG
 GGCCCCCAAGCGCGGTGCCCGGAGTGGGGTGCCTGCACTCTCAGCTTCCACACCTCACCTACCC
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR211531 representing NM_183020
 Red=Cloning site Green=Tags(s)

MLKPQQPQTSQPQQPPPTQAVARRSPGTSPPNGGLPGLTATAAPPGPPAAVSPCLGPAAGSGLR
 RGAESILAASAPPQHQRPGAVAIGSVRQTTGKPPQSPVFEGVYNNRMLHFLTAVVGSTCDVKVKN
 TTYEGIFKTLSSKFELAVDAVHRKASEPAGGPRREDIVDTMVFKPSDVLLVHFRNVDFNYATKDKFTDSA
 IAMNSKVNGEHKEKVLQRWEGGDSNSDDYDLESDMSNGWDPNEMFKFNEENYGVKTTYDSSLSSYTVPLE
 KDNSEEFQRELRAAQLAREIESSPQYRLRIAMENDDGRTEEEKHSAVQRQSGRESPLVSREGKYIPL
 PQRVREGPRGGVRCSSSRGGRPGLSSLPPRPHHLDNSSPGGSEARGINGGSPRMSPKAQRPLRGAKTL
 SSPSNRPSGEASVPPTSAAALPFLPVGRMYPPRSPKSAAPAPVSASCEPPIGSAVASSASIPVTSSVVD
 GAGSISPASKLSLTPDVKELPTKEPSRNLEAQELARIAGKVPGLQNEQKRFQLEELRKFQAQFKLQPS
 SSPETGLDPFPSRILKEEAKGKEKEVDGLLSDPMGSPVSSKTESILDKEDKVPMAGVGGTEGPEQLPAP
 CPSQTGSPPVGLIKGDEKEEGPVTEQVKKSTLNPNAKEFNPTKPLL SVNKSTSTPTSPGPRTHSTPSIPV
 LTAGQSGLYSPQYISYIPQIHMGPVQAPQMYYPVSNSVPGQQKRYGAKGSLPPQRSDQHQPASAPPM
 MQAAAAAGPPLVAATPYSSYIPYNPQQFPGQPAMMQPMAHYPSQPVFAPMLQSNRMLTSGSHPQAI
 VSSSTPQYPAAEQTPQALYATVHQSYPHHATQLHGHQPQPATTPTGSQPQSQAHAAPSPVQHQAQAPHLGS
 GQPQQLYHPGALGTTPPSLPPGSAQSPQSSFPQAAVYAIHPHQQLPHGFTNMAHVTAHVQTGVTAA
 PPPHPGAPHPQVMLLHPPQGHGPPQGA VPPSGVPALSA STSPSPYPIGHPQVQSHPSQQLPFHPGPN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_183020

ORF Size: 3147 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_183020.2](#)

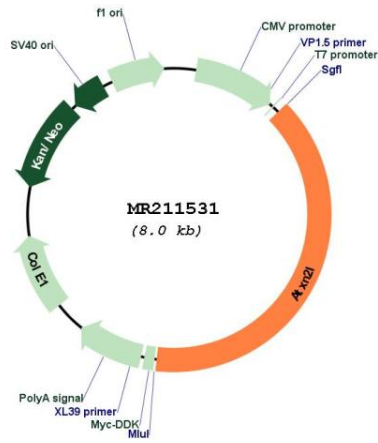
RefSeq Size: 3764 bp

RefSeq ORF: 3150 bp

Locus ID: 233871

UniProt ID: Q7TQH0
 Cytogenetics: 7 F3
 MW: 110.6 kDa
 Gene Summary: Involved in the regulation of stress granule and P-body formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211531