

Product datasheet for **MC220502**

Atxn1l (NM_001080930) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Atxn1l
Synonyms:	AW558552; Boat; C33001IL24Rik; D6Mgi37; D8Ert587e; ENSMUSG00000069895
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC220502 representing NM_001080930
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAACCTGTTTCATGAGCGGAGTCAGGAATGCCTTCCACCAAAGAAACGAGACCTCCCTGTGACCAGCG
 AGGATATGGGGAGAACTACCAGCTGCTCCACAAACCACACACCCTCCAGTGACGCTTCTGAATGGTCCCG
 AGGGGTTGTGGTGGCTGGGCAGAGCCAGACGGGAGCCAGAGTCAGCCTCGGGGGTGATGGAAGTGAAGCC
 ATCACTGGCCTGACAGTAGATCAGTATGGCATGCTGTACAAGTGGCTGTGCCACCTGCCACCTTCTCAC
 CAATGGCCTGCCATCTGTTGTGAACATGAGCCCTTACCCCCACATTTAATGTAGCGTCTTCACTGAT
 TCAACATCCGGGAATCCACTATCCCCCAGTCCACTATGCTCAGTCCCATCCACCTCACTGCAGTTTATT
 GGGTCTCCATACAGCCTTCCTTATGCTGTGCCACCTAATTTCTACCCAGTCTCTCTCTCTCTCTCTCTG
 CCAACCTTGCCACCACTCACCTTCCACACTTTGTGCCATATGCCTCTCTCTCGCAGAAGAAGCTACTCC
 CCCTCCACAGGCCGCATCCCCAGCTCAGTCATTTAACAAGTCTCATCTGCCACCTCCCCGCCGGCCAG
 TTGCCACATCACTCGAATACTCAACCACTGGATCTTGCTCCAGGCCGGATGCCATTATTATCAAATGT
 CTAGGTACCTGCTGGATATACCTTGCACTGAACTTCAACAGCAGGTGCCAGCCCCATTCTTACTCTCA
 GGAGGGCCAGTCTGCTCTGGAAGCAGCTGCTGCCAATGGACAGAGACAACGAGAGCGAAATGTAAGACGC
 GAAAGTGAAGCCCTTGAAGTCCGCCAGCAGCAAGGGTGAAGCCAAAGGACTGGTGCCGGTGGTGAATGCA
 TGGCGGATGGACAGTTGTTTTAGGTTCTCAGACTCCGAGAGTGGAGGTGGCGGCCAGCACATCGAGG
 GACCCAGACACCGACCTAGAGGTCCAGCGGTAGTTGGCGCTTTAGCTTCTCAGGACTATCGTGTGGT
 GCAGCTCAGAGGAAAGATGAGCCAGCCCTCTTAACCTATCCCATCATAACCTTGACCATCAGGGTGAGG
 GACGAGGGTCTGCCAGGAATCTACAGAACTGGTGGAGAAAAGTCAGGCCCGTGTGTTCTACCCGAGTC
 CCATCAGGAACCACTAAACACAGACCTTTACCCAAAGCAATGGTTGTAGCCAATGGCAACCTGGTGCCC
 ACTGGAAGTACCTAGCTGCTGCTGTGGGCTCAGAGATCCTGGTGGCATCAAGTCTGGACCTGCAGG
 CCAGAGCCACCTTCCAGACAAGGAGCCAAACGCCACCTCCCGTTACCTCTTCCACCTGCCCTCCATTT
 CATGAAAGGCGCCATCATTAGCTGGCTACAGGGGAGCTGAAGCGGGTAGAGGACCTCCAGACCCAGGAT
 TTTGTGCGAAGTGCAGGAGTGAAGTGGGGGCTGAAAATTGACTCTAGCACAGTCGTGGACATTACAGGAGA
 GCCAGTGGCCTGGATTTGTTATGCTGCATTTCTGTTGGTGAACAGCAGAGCAAGTGAAGCATTGAGGT
 GCCCCCTGAGCACCTTTTTTTGTATATGGCCAGGGTGGTCTCTGCAGCCCTGGCGGACTGCACAA
 CTCTTCTCTGCTGCCCTGCCATCGGTACAGGTGGGAGATGTCTGCATCTCTATCAGTTTACAGAGCTTGA
 ACAGTAACCTCAGTATCTCAGGCCAGCTGTGCTCCCCAGGGCAGCTGGGTACACCCCGAGAAAGGCTGA
 GAGGACAGTCTTGGGGCCAGAGACCTATGTGACAGCGAGGGGAAGAACAGCCTTCAGGAGAGGGTTCC
 CGGGTGGGAGAACCCTCCAGCCTGAGCCTGGTGTGCTCAGGCCTGCTGGCCAGCCCCAAGCTTCCAAGAT
 TCAGCATGAAGGGGAGGAGGCACGGGTGCGATGCTCCGTCCCTTTTCATTCCACAGGAGGTAAGCT
 GTCCATCGAAGGGCGTTCCAATGCAGGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001080930

Insert Size:

2064 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001080930.1, NP_001074399.1</u>
RefSeq Size:	7526 bp
RefSeq ORF:	2064 bp
Locus ID:	52335
UniProt ID:	<u>P0C7T6</u>
Cytogenetics:	8 57.22 cM
Gene Summary:	Chromatin-binding factor that repress Notch signaling in the absence of Notch intracellular domain by acting as a CBF1 corepressor. Binds to the HEY promoter and might assist, along with NCOR2, RBPJ-mediated repression (By similarity). Can suppress the cytotoxicity of ATXN1 in spinocerebellar ataxia type 1 (SCA1) (PubMed:16121196). In concert with CIC and ATXN1, involved in brain development (PubMed:28288114).[UniProtKB/Swiss-Prot Function]