

Product datasheet for **MC228959**

Atxn1 (NM_001199305) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atxn1 (NM_001199305) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atxn1
Synonyms:	2900016G23Rik; Atx1; C85907; ENSMUSG00000074917; Gm10786; Sca1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228959 representing NM_001199305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAATCCAACCAAGAGCGGAGCAACGAATGCCTGCCTCCCAAGAAACGTGAGATCCCCGCCACCAGCC
 GGCCCTCGGAGGAGAAGGCCACTGCTCTGCCACGACAACTGCGTGGAGGGTGTGGCTGGCTCCC
 CAGCACCCCTGGCATCCGCGCCATGGGGTGGCGGCACGGGTGAGCAGGGACTTCCGGGGAGCATGGT
 TTACAAGGAATGGGTTTACATAAAGCACTGTCCGACGGGCTGGATTACTCCCCACCCAGTGCCCCAGGT
 CAGTCCCCACAGCAACACGCTGCCACCGTGTACCCTCCTCAGTCAGGGACCCCGGTGTCTCTGT
 GCAGTACGCCACCTTTCGCATACCTTCCAGTTTATTGGGTCTCCCAATACAGTGGGCCTTACGCGGGC
 TTTATCCCTTCCAGTGATCTCCCATCAGGCAACCCGGTACCAGTGCAGTAGCCTCAGTGCAGGGG
 CCACCACTCCATCACAGCGCTCCAGCTGGAGGCTTATCCACCCTGCTGGCCAACATGGCAGTCTGAG
 CCAGGCACCAGGACATAAGGTTGAGCCCTCCGACGACACCTCAGCAGGGCTGCAGGATTAGTCAAC
 CCGGGTCCCCTCCTCCACCCACCCAGCAGAACCAGTACATCCATATTTCCAGCTCTCCACAGAGCTCCG
 GGCGGGCGACATCTCCCCACCCATCCCGGTCCACCTCCATCCCCATCAGACGATGATCCCGCACACT
 CACCCTGGGGCCTTATCCCAGGTGGTTGTGCAATATAGTGTGCGGAGGCCACTTTGTTCTCGAGAG
 TCCACCAAAAAAGCCGAGAGCAGAGGTTGAGCAGGCTATGCAAGCCAAGGAAGTCTGAATGGGGAGA
 TGGAGAAAAGCCGGAGGTATGGGGCATCATCTTCTGTGGAGCTGAGCCTAGGCAAGGCAAGCAGTAAATC
 AGTGCCTCATCCCTATGAGTCCAGGCATGTGGTGGTCCACCAAGCCAGCAGACTACAGCAGTCGTGAT
 ACCTCCGGGTCCGTGGATCTGTGATGGTTCTGCCTAATAGCAGCACACCCTCAGCCGACCTGGAGGCC
 AGCAGCACGCATCGAGAGCCCTCCCATCCACCTCAATGACAAGAGCGGCCCTGCATAGGGAAGCC
 GGGCCACAGGTTTATGCGCTGTCCCCACACGGTCATTGAGACCACACAGTGCATCAGAGCCTCTC
 CCGGTGGGCTACCAGCCACGGCCTTCTACGCTGGCACTCAACCTCCTGTGATCGGCTACCTGAGCGCC
 AGCAGCAAGCAATCACCTATGCTGGTGGTCTGCCGACGACCTGGTGTATCCAGGTAACCAGCCCTGCT
 CATCCCGGTGGGAGCCCTGACATGGACACGCTGGGGCAGCCTCGGCCATCGTGACGTATCACCCAG
 TTTGCTGCAGTACCTCACAGTTTGTACCACCGCCCTGCCAAGAGCGAGAATTCAACCCAGAGGCTC
 TGGTACCAGGCTGCCTACCAGCCATGGTGCAGGCCAGATCCACCTGCCGGTGGTGCAGTCCGTGGC
 GTCCCCACCACGGCTCTCCACGCTGCCGCATATTTGATGAAAGGCTCCATCATCCAGCTGGCCAAC
 GGGGAGCTGAAGAAGGTGGAGGACCTGAAGACGGAGGATTTCCATCCAGAGTGCAGAGATTAGCAATGACC
 TCAAGATCGACTCCAGTACTGTGAGAGAATCGAGGAGAGCCACAGCCCGGGGTGGCCGTGATACAGTT
 TGCTGTTGGTGAACACCGAGCCAGGTAACCTCACCAGGGTCAACAGGTCAGTGTGCAAGTCTTGGTA
 GAGTATCCTTTTTTTGTATTTGGACAGGGCTGGTATCCTGCTGTCTGAGCGGACCAGCCAGCTCTTTG
 ATCTGCCGTGTTCCAACTCTCTGTTGGGGACGCTGCATCTCGCTCACCTCAAGAACCTGAAGATGG
 CTCTGTTAAAAAGGGCCAGCCTGTGGACCCTGCCAGGCTCCTGCTGAAGCAGGCAAGACCCGACAGCCTG
 GCTGGCAGCAGACACAGATACGCGGAGCAGGAAAACGGAATCAACCAGGGAAGCGCCAGGTGCTCTG
 AGAATGGCGAACTGAAGTTTCCAGAAAAATAGGATTGCTGCAGCACCTTCTCAGCAAAATAGAACC
 GAGCAAAACCCACAGCCACGAGGAAGAGGAGGTTGGTCCGGCGCGGAGACCCGTAACCTGGAGAAGTCCGAG
 GACGAGCCACCTTTGACTCTTCCAAGCCTTCGCTCATTCTCAGGAGGTTAAGATCTGCATCGAAGGCC
 GATCTAACGTGGCAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001199305
Insert Size: 2400 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
RefSeq:	<u>NM_001199305.1</u> , <u>NP_001186234.1</u>
RefSeq Size:	10623 bp
RefSeq ORF:	2400 bp
Locus ID:	20238
UniProt ID:	<u>P54254</u>
Gene Summary:	<p>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). May be involved in RNA metabolism (By similarity). In concert with CIC and ATXN1L, involved in brain development (PubMed:28288114).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>