

Product datasheet for **MC202577**

Atxn10 (NM_016843) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atxn10 (NM_016843) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atxn10
Synonyms:	AI325283; C77170; E46; Sca10; TEG-169; Tex169
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC046802 sequence for NM_016843
 CCCCCTCCCCCTGCCGCTCGCCTTGTCTCTTCGCTGAGGCAAGCCAGCTAGTCTCGCGCTCTGCC
 TTGCAGCACACGGGATCTGGGTGACGCGGGCTGCGGAAGCCAGAGCCGTGCAGACCGCGTCTCCATCTC
 CTCGCCTGCTGTCTGTCTCCCCACTTCTTTCGCTCTGCTCTCCGCCTGGTCAGGCTCGGCCCCAGAGC
 GAGTGGCAAGATGGCGGCGCCAGGATGCCACCCTCCCGCTGTCGGGCATCATGGTGCCCGACCCATC
 CAGGACCTGGAGGCTTTCGCGCGCTCACGGCGCTTCAAGGAGCAGCGTAACCGGAAACAGCACCCA
 GAACGATCTCCAGAGATCCTGGATATCTTAAAGAAGTCTACTCATGCTGTTGAGCTGGCCTGCAGGGA
 TCCTCCCAAGTGAACATCTGGCTTCCAGTCTGCAGCTAATCACTGAATGCTTCAGATGTCTTCGGAAT
 GCTTGTATAGAGTGTTCTGTGAATCAGAATTCATCAGGAACCTGGATACGATCGGAGTTGCTGTTGATT
 TGGTTCTTCTTTCGTGAACCTCGGGTGAACAAGACTCCTTGTGACAGCTTTTCGATGTGGCCTGCA
 GTTTTTAGGCAACGTTGCCTCACGAAATGAAGAATCCCAGTCCATTGTTGGGTCCACGCTTCCCAGAA
 CTCTTCATGTCTTGAACCATCCAGACAAAAAGATTGTTGCCTACTGTTCCATGATTCTGTTACAT
 CTCTTAATGCTGAAAGGATGAAAGACTGGAAGAGAACCTCAATATTGCAATTAACGTATAGAAGTCA
 CAAAAAGCACCCGGCTCAGAGTGGCCGTTCTTGATTATTCAGACCACTTCTGAAAAGCCCGAACTG
 GTGGAAGCTATGTATGGCAAACCTAGCAACCAGGAAAGGATCACACTGTTAGACATAGTATAGCCAAGC
 TAGTGGGTGAGGAGCAGCTGACAAAGGATGACATCTATCTTTGTGCGCATGCCGAGTTGATTGCAAA
 CTCATTTATGGATCAGTGCAGGAACGTGCTGAAGTTGACCTCAGAGCCTCACACCGAGGATAAGGAAGCC
 CTGGTTACGATTCGGCTCCTGGATGTCTTGTGTGAAATGACGTCCAACACTGAGCTTCTCGGCTACCTGC
 AGGTTTTCCCTGGCCTGATGGAACGCGTGATTGATGTTTTACGAGTGATTGATGAAGTTGAAAAAGAAA
 CACGAACATCTCAGTCCCTCAGACTCTCTAAAAGCAGAGGGTGACATCGAACACATGACTGAAGGCTTT
 AAGTCTCATCTCCTGCTGATTGAAATCTGTGCTACAAGAATAAAGAAAACCAAGACAAAGTGAATG
 AGCTGGATGGCATTCTCTGATCCTGGACAGCAGCAACATCGATGACAACAACCCCTTTATGATGCAGTG
 GGTGGTGTATGCTGTGCGAAATCTCACTGAAGACAACAGCCAAAACCAAGATGTCATTGCCAAGATGGAG
 GAGCAGGCTTGGCAGACGCATCCCTACTGAAGAAAATGGGCTTTGAAATTGAAAAGAGTGGGGATAAAC
 TGATTCTGAAGTCTAATAATGACATCCCCCGCCTTGAATGCCATCTTCATGAACACATTGAGATTCC
 ATCTCACGGACCTCATCTCTGCAGTGTATGAAATCACAAGTATTGGACATGTAGGGTACAGATGAGGG
 AGCCTCTAATCCTTTAGAGTAAATGAGTGTAAGCTACAAGTGGACGTTTTCTTTATTTCTTTCAGTAA
 GTGTTACTGTCTGCCTCACCTTTGTCCCTCTGGGTAGAAGTTCGCTTTCCCGTCATATACATTGTGCTTAC
 TGTTGTAGTAATAAACGCTCTGTGGGCACAGCCCTCACTCGGCAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_016843

Insert Size: 1428 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.

RefSeq: [BC046802](#), [AAH46802](#)

RefSeq Size: 1952 bp

RefSeq ORF: 1428 bp

Locus ID: 54138

UniProt ID: [P28658](#)

Cytogenetics: 15 E2

Gene Summary: Necessary for the survival of cerebellar neurons. Induces neuritogenesis by activating the Ras-MAP kinase pathway. May play a role in the maintenance of a critical intracellular glycosylation level and homeostasis.[UniProtKB/Swiss-Prot Function]