

Product datasheet for **RN210477**

Atxn10 (NM_133313) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atxn10 (NM_133313) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atxn10
Synonyms:	Sca10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210477 representing NM_133313
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCCAGGATGCCACCCTCCGGCTGTGGGCATCATGGTGCCAGCACCTATCCAGGACCTGG
 AGGCCCTGCGCGCGCTCACGGCGCTCTTCAAGGAGCAGCGTAACCGGAAACAGCACCCAGAACGATCTT
 CCAGAGAGTCCTGGATATCTTAAAGAAATCCACTCAGGCTGTTGAGCTGGCCTGCAGAGATCCCTCCAA
 GTGGAGACCTGGCTTCCAGTCTTCAGCTGATCACCGAGTGCTTCAGATGCCTTCGTAATGCTTGTATAG
 AGTGTCTGTGAACCAGAATTCATCAGGAACCTGGATACCATTGGAGTTGCCGTTGATTTGGTTCTTCT
 CTTTCGTGAACCTCGGGTGAACAAGACTCTTTGTTGACAGCTTCCGCTGTGGCCTGCAGTTTTAGGC
 AACGTTGCCCTCACGGAATGAAGATCCAGTCCATTGTTGGTCCACGCCTCCAGAACTCTTCATGT
 CTTGCTTAAATCATCCAGACAAAAGATTGTTGCCTACTGTTCCATGATTCTGTTACATCTCTTAATTC
 TGAAAGGATGAAGGACCTGGAAGAGAACCTCAATATTGCAATTAACGTATAGAAGCTCACCAAAAGCAC
 CCAGAGTCAGAGTGGCCGTTCTTGATCATTACAGACCCTTTCTGAAAAGCCCGAATTGGTGGAAAGCTA
 TGTATGGCAAACCTCAGCAATCAGGAAAGGGTCACACTGTTAGACATCATGATAGCCAAGATCGTGGGTGA
 CGAGCAGTTGACAAAGGATGACATCTCTATATTTTTGCGCCATGCTGAGTTGATTGCAAACCTCATTCTGT
 GATCAGTGTGGAAATGTGCTGAAGTTGACCTCAGAACCTCAGACGGAGGACAAGGAAGCACTGGTTACGA
 TTCGGCTCCTGGATGTCTTGTGTGAAATGACGTCCAACACTGAGCTGCTCGGCTACCTGCAGGTTTTTCC
 TGGCCTGATGGAACGCGTGATTGATGTTTTACGAGTGATTCATTGAGTTGGAAAAGATAGCACGAACATC
 TTCAGTCCCTCCGACTCTCTAAAAGCAGAGGGTGATATCGAACACATGACTGAAGGGTTTAAGTCTCACC
 TCATCCGTCTGATTGAAATCTGTGCTACAAGAATAAAGAAAACCAAGACAAGTGAATGAGCTGGATGG
 CATTCCCTGATCCTGGACAGCAACATCGATGACAACAACCCCTTTATGATGCAGTGGGTGGTGTAT
 GCCGTGCGAAATCTCACTGAAGACAACGCCAAAACCAAGATTTATTGCAAGATGGAGGAGCAGGGGT
 TGGCAGATGCGTCCCTACTGAAGAAGATGGGCTTTGAGTTGAGAAGAGTGGGGACAAACTGATTCTGAA
 GTCCAATAATGACATCCCCCACCT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_133313

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: [NM_133313.2](#), [NP_579847.1](#)
RefSeq Size: 1841 bp
RefSeq ORF: 1428 bp
Locus ID: 170821
UniProt ID: [Q9ER24](#)
Cytogenetics: 7q34
Gene Summary: human homolog is a region of a chromosome highly linked to autosomal dominant cerebellar ataxias [RGD, Feb 2006]