

## Product datasheet for **MC222288**

### Atxn7 (NM\_139227) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atxn7 (NM_139227) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atxn7
Synonyms:	A430107N12Rik; AI627028; ataxin-7; Sca7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222288 representing NM\_139227  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGAGCGGGCCGGGATGACGTCAGGGGGAGCCGCGCGCGGGGGCGGAGCAGCGGCCGCC  
 GGCAGCAGCAGCAGCAGCCACAGCCTCTGCAGCCCAGCGGCAGCACCCGCCGCTGCGGGCCCCACGGGC  
 GGAGGACGGCGCACCGGGACACCACCCTCGGCCCGCCATGGCGACGGTTGGGGAGCGCAGGCC  
 TTGCCAGTCCCGAAGCGATGCTGGGACAGTCGTGGAATCTGTGGGTGGAAGCTTCCAACTTCTGGGA  
 AGGATGGGACCGAATTGGATGAAAGTTTCAAGGAGTTTGGGAAAAACCGGAAGTCATGGGGCTCTGCCG  
 GGAAGATAGCCGATCTTTGGTCTCTGCCAGCACATGATGATTTCTACTTGGTGGTGTGAATGACTGC  
 AACCAAGTTGTCAAACCGCAGGCATTTCAATCTCACTATGAAAGAAGACATAGCTCATCTAGCAAGCCTG  
 CCTTGGCTGTTCCCTCACACTTCAGTATTTCCCTCTTACCTTCTCTGTCCAAAAGCAAAGGCAGTGGTGC  
 TGGTGGAAAGCAGCCGGCCTCCCAGTGGAGGGTCTTTGCGCATCTCAAGCTCCAAGTTACTCAGATTG  
 CCCAAAGAGAAACTTCCGCTCAGGGGAAACATGAAACCCATGCATCCCGTGAACAGATTAAGTCCCCC  
 ACGGACGAGTCATGACGCCCTCTGTGAAGGTAGAAAAGATGCATCCGAAGATGGATGGCACACTACTGAA  
 ATCCACAGTGGGGCCAGCCTGTCTGCTACTATGAGCTCTGCAGTCAAGCCTGGCCTTAAGTGTCCCTCA  
 ATACCAAAGCCAACTTGCCTTACCCGGACAGATTCTGAACGGCAAAGGGCTTCTGCAATGCCTACTC  
 TGGAAAAGAAATCTGAAGACAGTTCTAATAACAGGAAATTTTAAATAAGAGATTATCAGAAAGAGAGTT  
 TGATCTGACATCCACTGTGGGGTCATTGATCTGGATACCAAGAAGCCCTGCACCAGGTCTTTGACTTGC  
 AAGACACATTCCTTAACCCAGCGGAGAGCTGTTCAAGGTAGAAGAAAACGATTTGATGTGTTATTAGCTG  
 AGCACAAAAACAAAGCCAGGGAGGAGAGCTGATTCGCCATGACTCTCAGCAAGTCCCACTCCACTCAG  
 GGACCCGCATCCCACCCCTCCCCGGACGCCACAGGAGCCGAGCTTCTGCAGAGTCAAAGCCTTTCTTA  
 GCTAGTAAGCCGAAACCTCAGACCCCTAGTCTTCCAAGGCCTCCAGGCTGCCAGCTCAGCAAGGAGGAA  
 GTACCCCATGACCCTCTCCAGGCCAGGAGTCTCCACACCCGCCCTTGCCTGCCACTGAGCCAGCTTC  
 TCGGTTATCCAGTGAGGAGGGTGAAGGCGATGACAGAGAAGAGTCTGTTGAGAACTGGACTGTCATAT  
 TCAGGTCGTACCCTCAGCCAGCATCGTTTTGCACATTTGGGAGCCGGCAGATTGGAAGAGGTTATTATG  
 TGTTTACTCCAGGTGGAACCGGCTTCTGCTGTGCCCTCAACCTCATGGTAGAGAAGCATCTGAATGCACA  
 GCTATGGAAGAAATCCCACAGTGCCTGTACCACATCACTGTTTCTGCCGTTTCTCACCAGGACA  
 AATTCTGTGCCGACATCACAAGGTGGGATCAGCTACTTAGCAGCAACCACTGTCTCCGCGCTCCAGTCC  
 TGCTGTGCTCCACTGCATCTCCCAAATAGCAAATCGGTACCAGCTCATGGAACGACGCTAAATGCACA  
 GCCTGCTGGTTCTGGGGCGATGGACCCTGTGTGCAAGTGTGCAAGTCCAGACAAGTGTGGGTTTATCTCA  
 CCCCCCTCCAGCCCTCGGGCTCTCTCCGTCGCCCTTCTCCCTCTGTCCAGAAAACCTCAGAAATGGA  
 AACCTAGCAAGTCTATAAGGCCCAAGGAATCTTCTGCTCTCAGCACTAACTGTCACAATGCCAGTAGCAG  
 TACCAGTGGTGGCTCAGGAAAGAAACGCAAAAACAGTTCCCCACTGTTAGTTCCTTCTTCTCCTCTTCC  
 TCATCCTCCTCCTCCTCTTCTCATTCCGTGAACCTTTTTAGGAAAACTGTGTGGCTCACTCTGGGA  
 CTCCATACCTGTCAACAGCACCATCTTCCACAGCATCGGCCCTCAACTGTGTGACAAAATAAACACACTC  
 GGTGAGCCTCCGGCATGAGCAGGCAGGGCGGGTCCCCTGGTGTGAGCTCTGCAGAGCCCATCAAGAGG  
 ATGAGTGAATGGTGAACAGCAGCGACTCCACTCTCTCTCGGCCATTATCCACCAGGCTAGTGAAC  
 TGCTGTCAACCCACACTCACACTCCTCTAGACAAAACATAGGGAAGAAAAGAAAGTCTCTCCAGG  
 CTCTAGCACTGTTGGCAACAGTGGCAGCAAACCCACAAAGTTGCCAAGTTGCCAGCTATGAACAACGTC  
 CACATGAAACACACAGGCAACATCTCAGGGGCACAAGGATTGACGAACAATTCCTCCTCCATCAGCCAA  
 AGGCACGACCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_139227  
**Insert Size:** 2604 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_139227.4</a> , <a href="#">NP_631973.3</a>
<b>RefSeq Size:</b>	6870 bp
<b>RefSeq ORF:</b>	2604 bp
<b>Locus ID:</b>	246103
<b>UniProt ID:</b>	<a href="#">Q8R4I1</a>
<b>Cytogenetics:</b>	14 A1
<b>Gene Summary:</b>	Involved in neurodegeneration. Acts as component of the STAGA transcription coactivator-HAT complex. Mediates the interaction of STAGA complex with the CRX and is involved in CRX-dependent gene activation (By similarity). Necessary for microtubule cytoskeleton stabilization (By similarity).[UniProtKB/Swiss-Prot Function]