

## Product datasheet for **MC212664**

### Atxn7l3 (NM\_001098837) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atxn7l3 (NM\_001098837) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atxn7l3  
**Synonyms:** E030022H21Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212664 representing NM\_001098837  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAATGGAGGAAATGTCTTTGTCTGGCCTGGATAACAGCAAAGCTAGAGGCCATCGCTCAGGAGATAT  
 ATGCTGACCTGGTCGAGGATTCTGTTTGGGATCTGCTTTGAAGTACACCGGGCTGTTAAGTGTGGCTA  
 CTTCTTCTGGATGATACGGATCCTGACAGCATGAAGATTTTGAGATCGTGGACCAGCCTGGGTTGGAC  
 ATCTTTGGACAGGTTTTCAACCAGTGGAAGAGCAAGGAGTGTGTTTGCCCAATTGCAGCCGCAGTATTG  
 CTGCTTCCCGCTTTGCCCCACCTGGAGAAGTGCCTGGGAATGGTTCGCAACAGCAGCCGAATCGCCAA  
 CCGTCGGATTGCCAATAGCAACAATATGAACAAGTCTGAGAGTGACCAAGAAGACAACGATGACATCAAT  
 GACAATGACTGGTCTATGGCTCAGAGAAGAAAGCCAAGAAGAGAAAAATCAGACAAGAACCCTAATCC  
 CTCGAAGATCCAAGTCTCTAAAACAAAAATGGGAACTTAGCAACTCCGATCCTTTAAGTATAGCAA  
 CTCAACTGGGATCAGCTATGAGACCTGGGTCCAGAGGAGCTGCGGAGCCTGCTCACCACGCAATGTGGA  
 GTGATTTCTGAACATACCAAGAAGATGTGCACAAGTCACTACGCTGCCCGCAGCACACGGATGAACAGA  
 GGCGAACCCTACGGATTTATTTCTTGGGCCCTCGGCCGTTCTTCCAGAGGTAGAGAGCTCTTGGATA  
 CGATGGCTTTGACATGACTGATAGCCAGGCCCTCATCAGCCGGCTTCAGTGGGACGGCTCTTCTGATCTC  
 TCACCTTCTGATTCAGGCTCCTCCAAGACTAGTAAAAATCAGGGATGGGTTTAGGTACCAACAGCTCTG  
 AATCACGGAAAACCAAGAAAAAGAAATCCCATCTGAGCTTGGTAGGGACTGCCTCTGGCCTGGGCTCCAA  
 CAAGAAGAAAAAGCCAAAGCCACCGGCTCCCCAACGCCAGCATCTATGATGACATCAACTGA

**ACGGT**ACGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001098837



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<b>Insert Size:</b>	1044 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>	<u><a href="#">NM_001098837.1</a></u> , <u><a href="#">NP_001092307.1</a></u>
<b>RefSeq Size:</b>	3702 bp
<b>RefSeq ORF:</b>	1044 bp
<b>Locus ID:</b>	217218
<b>UniProt ID:</b>	<u><a href="#">A2AWT3</a></u>
<b>Cytogenetics:</b>	11 D
<b>Gene Summary:</b>	<p>Component of the transcription regulatory histone acetylation (HAT) complex SAGA, a multiprotein complex that activates transcription by remodeling chromatin and mediating histone acetylation and deubiquitination. Within the SAGA complex, participates in a subcomplex that specifically deubiquitinates both histones H2A and H2B. The SAGA complex is recruited to specific gene promoters by activators such as MYC, where it is required for transcription. Required for nuclear receptor-mediated transactivation. Within the complex, it is required to recruit USP22 and ENY2 into the SAGA complex. Regulates H2B monoubiquitination (H2Bub1) levels. Affects subcellular distribution of ENY2, USP22 and ATXN7L3B.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>