

Product datasheet for MC212663

Atxn7l3 (NM_001098836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atxn7l3 (NM_001098836) 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:	>MC212663 representing NM_001098836 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATGGAGGAAATGTCTTTGTCTGGCCTGGATAACAGCAAAGTCTAGAGGCCATCGCTCAGGAGATAT
ATGCTGACCTGGTCGAGGATTCTGTTTGGGATTCGCTTTGAAGTACACCGGGCTGTTAAGTGTGGCTA
CTTCTTCTGGATGATACGGATCCTGACAGCATGAAGATTTTGAGATCGTGGACCAGCCTGGGTTGGAC
ATCTTTGGACAGGTTTTCAACCAGTGGAAGAGCAAGGAGTGTGTTTGCCCAATTGCAGCCGAGTATTG
CTGCTTCCCGCTTTGCCCCACCTGGAGAAGTGCCTGGGAATGGTTCGCAACAGCAGCCGAATCGCCAA
CCGTCGGATTGCCAATAGCAACAATATGAACAAGTCTGAGAGTGACCAAGAAGACAACGATGACATCAAT
GACAATGACTGGTCTATGGCTCAGAGAAGAAAGCCAAGAAGAGAAAAATCAGACAAGCTATGGTATCTCC
CATTCCAGAACCCTAATCCCCTCGAAGATCCAAGTCTCTAAAACAAAAATGGGGAACCTAGCAACTC
CGATCCTTTAAGTATAGCAACTCAACTGGGATCAGCTATGAGACCCTGGGTCCAGAGGAGCTGCGGAGC
CTGCTCACCACGCAATGTGGAGTGAATTTCTGAACATACCAAGAAGATGTGCACAAGGTCACTACGCTGCC
CGCAGCACCGGATGAACAGAGGCGAACCGTACGGATTTATTTCTTGGGCCCTCGGCCCTCTTCCAGA
GGTAGAGAGCTCCTTGGATAACGATGGCTTTGACATGACTGATAGCCAGGCCCTCATCAGCCGGCTTCAG
TGGGACGGCTCTTCTGATCTCTACCTTCTGATTAGGCTCCTCAAGACTAGTAAAAATCAGGGATGGG
GTTTAGGTACCAACAGCTCTGAATCACGAAAACCAAGAAAAAGAAATCCCATCTGAGCTTGGTAGGGAC
TGCTCTGGCCTGGGCTCCAACAAGAAGAAAAAGCCAAAGCCACCGGCTCCCCAACGCCAGCATCTAT
GATGACATCAACTGA

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001098836



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Insert Size:	1065 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:	<ol style="list-style-type: none">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:	<u>NM_001098836.1</u> , <u>NP_001092306.1</u>
RefSeq Size:	3723 bp
RefSeq ORF:	1065 bp
Locus ID:	217218
UniProt ID:	<u>A2AWT3</u>
Cytogenetics:	11 D
Gene Summary:	<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 (1) represents the longer transcript and encodes the longer isoform (a).</p>