

Product datasheet for **SC316508**

ATXN7L3 (NM_020218) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATXN7L3 (NM_020218) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATXN7L3
Synonyms:	DKFZp761G2113
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_020218 edited

CACAACAACACCCCAACCCCGTGTGTGCAGCCGTGTTGCCGCCCGCTGTGCTATGAGCA
 GTCAGAGCGCCGTCTCCACAAGAGTTTACAAATGAAATGGAGGAAATGCTTTGTCTGG
 CCTGGATAACAGCAAACTAGAGGCCATCGCTCAGGAGATATACGCGGACCTGGTCGAGGA
 TTCTTGTTGGGATTCTGCTTTGAGGTACACCGGGCTGTCAAGTGTGGCTACTTCTTCTT
 GGACGACACGGACCCTGATAGCATGAAGGATTTTGAAGTGTGGACCGCCGGCTTGGGA
 CATCTTTGGACAGGTTTCAACCAAGTGAAGAGCAAGGAGTGTGTTGCCCAATTGCAG
 TCGCAGCATTGCCGCTCCCGCTTTGCTCCCATCTGGAGAAGTGCCTGGGAATGGGTGCG
 GAACAGCAGCCGAATCGCCAACCGCCGATTGCCAATAGCAACAATGAATAAGTCTGA
 GAGTGACCAAGAAGATAATGATGACATCAATGACAACGACTGGTCTATGGCTCGGAGAA
 GAAAGCCAAGAAGAGAAAGTCAAGCAAGCTATGGTATCTCCATTCCAGAACCCCAATTC
 CCCTCGAAGATCCAAGTCATTAACACAAAAATGGGGAACCTAGCAATTCGGATCCTTT
 TAAGTATAACAATTCAACTGGGATCAGCTATGAGACCCTGGGGCCGGAGGAGCTTCGCA
 CCTGCTAACACGCAATGTGGGGTGATTCTGAACACACCAAGAAGATGTGCACAAGGTC
 CCTGCGCTGCCACAGCACAGATGAGCAGAGGCGAACCGTACGGATTTATTTCTCGG
 GCCCTCGGCTGTCCTTCCAGAGTTCGAGAGCTCCCTGGATAATGACAGCTTTGACATGAC
 TGACAGCCAGGCCCTGATCAGCCGGCTTCAGTGGGACGGCTCCTCTGACCTCTCACCTC
 TGATTACGGCTCCTCAAGACGAGTGAAATCAGGGATGGGGTCTAGGTACCAACAGCTC
 TGAGTCACGGAACCAAGAAAAAGAAATCCCATCTGAGCTGGTAGGGACTGCCTCCGG
 CCTAGGTTCCAACAAGAAGAAAGCAAGCCACCGGACCCCGACGCGCCAGCATCTA
 TGATGACATCAACTGACTTGGGTGCAAGGGATAGCCTTTGGCTGAGCAGAGCCCTCTCTC
 CTGACCCCAACCCAGGTGGCATAGCCTGGCAAATGGACGGCTGCT

Restriction Sites:	Please inquire
ACCN:	NM_020218
Insert Size:	1200 bp


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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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020218.1.
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:	<u>NM_020218.1</u> , <u>NP_064603.1</u>
RefSeq Size:	3656 bp
RefSeq ORF:	1065 bp
Locus ID:	56970
UniProt ID:	<u>Q14CW9</u>
Cytogenetics:	17q21.31
Gene Summary:	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 (PubMed:18206972, PubMed:21746879). 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 (PubMed:18206972). Regulates H2B monoubiquitination (H2Bub1) levels. Affects subcellular distribution of ENY2, USP22 and ATXN7L3B (PubMed:27601583).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).