

Product datasheet for **SC113726**

C12orf11 (ASUN) (NM_018164) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf11 (ASUN) (NM_018164) Human Untagged Clone
Tag:	Tag Free
Symbol:	C12orf11
Synonyms:	ASUN; C12orf11; GCT1; Mat89Bb; NET48; SPATA30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC113726 sequence for NM_018164 edited (data generated by NextGen Sequencing)

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ATGAAGATTTTTCTGAATCTCATAAAACAGTGTGTTGTTGGATCACTGCCCTTATATG
GCAGAATCTTGCAGGCAGCATGTCGAGTTTGATGCTGGTGAAGAATAGAACCCAAGGA
ATCATTCTTTGGCCCCCATATCTAAATCATTGTGGACTTGCTCAGTAGAATCTTCCATG
GAATATTGTAGAATAATGTATGATATATTTCTTTCAAAAAGCTGGTGAATTTTATTGTG
AGTGACTCTGGAGCACATGTTTTAAATTCTTGGACTCAAGAAGACCAAAATTTACAGGAG
CTAATGGCAGCATTAGCCGCTGTTGGGCTCCTAATCCTCGGGCAGATCCAGAGTGCTGC
AGTATTCTGCATGGCCTTGTGTCAGCAGTGGAACCTCTCTGCAAAATTACTGAATACCA
CATGAGGCTCGTACTCTACTCATGGAGAATGCAGAACGTGTTGGAATAGAGGACGAATA
ATCTGTATTACTAATGCAAAAAGTGATAGTCATGTGCGAATGCTTGAAGACTGTGTCCAG
GAAACGATTATGAACATAACAAGCTTGCTGCAAAATTCAGATCATCTCATGCAGATTCAA
AAATGTGAGTTGGTCTTGATCCACCTACCCAGTTGGTGAAGACAGCCTTGATCTGAT
CGTTCTAAAAAAGAGTTGTCCTCGGTTTTAACCAGTGAAGTTCATAGTTCGTGCAGGA
CGGCATCTTGCTACCAAATTGAATATTTTAGTACAGCAACATTTTGACTTGGCTTCACT
ACTATTACAAATATTCCAATGAAGGAAGAAGCAGATGCTAACACATCTGCCAATTATGAT
GTGGAGCTACTTCATCACAAGATGCACATGTAGATTTCTGAAAAGTGGTGATTCGCAT
CTAGGTGGCGGCAGTCGAGAAGGCTCGTTTAAAGAAACAATAACATTAAAGTGGTGATCA
CCAAGGACAAATAACATTGAATTACACTATTGTACTGGAGCTTATCGGATTTACCTGTA
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TTATTGGAACAACCACGAAAGTCAGGTTCTAAAGTCATTAGTCATATGCTTAGTAGCCAT
GGAGGAGAGATTTTTTGCACGTCCTTAGCAGTTCTCGATCCATTCTAGAAGATCCACCT
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AGGAGCAAACCCCGAGAAGAGGAAGAACGAAAGAAACGAGGAAGAAAGAGGGAAGACAAA
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GAGAGATTAAGGAATCTTAGAACGTGGAAGAAAGAAATTGGCTGAAGCTGAGATTATA
AAAGATTGCGCTGATTCCTCCAGAACCTCCAAACAAAAACCCCTTGTTGAAATGGATGAA
ACTCCACAAGTGGAAAAATCAAAAGGGCCAGTGTGCTTATTATCCTTGTGGAGTAATAGA
ATCAATACTGCCAATTCAGAAAACATCAGGAATTTGCTGGACGTTTGAATCTGTTAAT
AACAGAGCTGAACTATATCAACATCTTAAAGAGGAAAATGGGATGGAGACAACAGAAAAT
GGAAAAGCCAGCCGCGCAGTGA
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Clone variation with respect to NM_018164.2
1824 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018164 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGTGTGCTAGGAGAT
 GATCGGGGAAAGCATAGTCCCCTGTCTGTGGCACCAGACACTCCCGACTGTGCGTGACT
 CTCCCCGCCAGCCAGCAGCCTTTCCAGAGAGGCTGTGGTCCATAGCCTCTGTTCTGTTT
 TCACTGCAGGACCAGGCACGAAAGTTAAACAAAATGAAGATTTTTCTGAATCTCATAA
 AACAGTGTGTTGTGTGGATCACTGCCCTTATATGGCAGAATCTTGAGGCAGCATGTGCA
 GTTTGATATGCTGGTGAAGAATAGAACCAAGGAATCCTCTTGGCCCCATATCTAA
 ATCATTGTGGACTTGCTCAGTAGAATCTCCATGGAATATTGTAGAATAATGTATGATAT
 ATTTCTTTTCAAAAAGCTGGTGAATTTTATTGTGAGTGACTCTGGAGCACATGTTTTAA
 TTCTTGGACTCAAGAAGACCAAAATTTACAGGAGCTAATGGCAGCATTAGCCGCTGTTGG
 GCCTCCTAATCCTCGGCAGATCCAGAGTGCTGCAGTATTCTGCATGGCCTTGTTGCAGC
 AGTGGAAGTCTCTGCAAAATTACTGAATACCAACATGAGGGCTCGTACTCTACTCATGG
 AGAAATGCAGAACGTGTTGAAATAGAGGACGAATAATCTGTATTACTAATGCANAAAGT
 GATAGTCATGTGCAATGCTTNGAGACTGTGNTCCAGAAACGATTCATGAACATNNACAG
 CTTGCTGCANATTCAGATCATCTCATGCAGATTCAAAATGGGGAGTTGGGTCTTGACCCA
 CACCTACCNCAGTGGTGAAGACGCCTTGNATCCTGATCGTCTAAAAAGGAGTGTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018164 unedited
 CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCAAATATTTTAATAGTTTT
 ATTTTCGCAAAAAAACCTAAAAATTTTTTAAAAACATTTCCAGAGAGAACACTTTATA
 CCATAAAATAAACTTGATAATTTGGGAGGACAAATCATCTCAAATGTATTTTTGAAT
 TATGTGCCAATTTATAATTAGTACAAAAATGACAGCTGAAATATTTAAAAATGAAAA
 ACCAGTCCAGGCAACATAACTATACCATCTTGCTGTAAAAGTACTTATATCGAATCCGC
 ACAAATATTTTTGCAATATGCTAAATTTAGTTCTTCAAGTCACTCTTCACTGCCGGCTG
 GCTTTTCCATTTCTGTTGTCTCCATCCATTTTCTCTTTAAGATGTTGATATAGTTCA
 GCTCTGTTATTAACAGAGTTCAAACGTCAGCAAAATCCTGATGTTTTCTGGAATTGGCA
 GTATTGATTCTATTACTCCACAAGGATAATAACGACACTGGCCCTTTTGATTTTCCACT
 TGTGGAGTTTCATCCATTTCAACAAGGGGTTTTTGTGTTGGAGGTTCTGGGAATCAGGC
 GAATCTTTTATAATCTCAGCTTCAGCCAATTTCTTTTCCACGTTCTAAGATTCCTTTT
 AATCTCTCTGAGTCTTGCCAAGACTTTTCTGTTTCTAATCTTTCACTGCTTTCTGAC
 TTGGCCTCTTTGGCCTCCTCTTTCTCCTCGTTNCTTTCTGTTCTCTCTGCGGGGTTNGC
 TCTGCATGCATCAAACTTCAAGACTCTTGATGTTCTCTGAATTGTGAATGGGCTTGACAA
 GGTTTCTATTCTACTGATCGGGTTGTCTCCCTTTAAGCCCTTCTCTGGACCACTGG
 GAATAGTAGAGGACATTTTCTTCTTCAACAAATGGAAT

Restriction Sites:

NotI-NotI

ACCN:

NM_018164

Insert Size:

2500 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:	<u>NM_018164.1, NP_060634.1</u>
RefSeq Size:	2635 bp
RefSeq ORF:	2121 bp
Locus ID:	55726
UniProt ID:	<u>Q9NVM9</u>
Cytogenetics:	12p11.23
Gene Summary:	Crucial regulator of the mitotic cell cycle and development. At prophase, required for dynein anchoring to the nuclear envelope important for proper centrosome-nucleus coupling. At G2/M phase, may be required for proper spindle formation and execution of cytokinesis. Probable component of the Integrator (INT) complex, a complex involved in the small nuclear RNAs (snRNA) U1 and U2 transcription and in their 3'-box-dependent processing (PubMed:23904267).[UniProtKB/Swiss-Prot Function]