

## Product datasheet for **SC110338**

### FTSJ1 (NM\_012280) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJ1 (NM_012280) Human Untagged Clone
Tag:	Tag Free
Symbol:	FTSJ1
Synonyms:	CDLIV; JM23; MRX9; MRX44; SPB1; TRMT7
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110338 sequence for NM_012280 edited (data generated by NextGen Sequencing)

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ATGGGACGGACGTCAAAGGACAAGCGGGATGTCTACTACCGCCTGGCCAAGGAGAATGGC
TGGCGTGCTCGCAGCGCCTTCAAAGTCTACAAGTGGATAAGGAATTCCAAGTCTTCCAA
GGCGTGACACGGGCAGTTGACCTGTGTGACGCCAGGCAGCTGGAGCCAGGTGCTGAGC
CAGAAGATCGGGGGCCAAGGGTCCGGCCACGTGGTGGCTGTGGACCTGCAGGCTATGGCT
CCACTACCAGGTGTGGTACAGATCCAGGGGGACATCACCCAGCTGTCCACTGCCAAGGAG
ATCATCCAGCACTTTAAGGGCTGCCCTGCGGACCTAGTGGTGTGTGACGGGGCTCCTGAT
GTAACCGGTCTCCATGATGTTGATGAGTATATGCAGGCCAGCTCCTCCTAGCTGCTCTG
AACATTGCTACACATGCTCTGAAGCCAGGGGGCTGCTTTGTGGCCAAGATATTCCGAGGC
CGGGATGTGACGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCTCCAGCGTGTGTGTGCC
AAGCCCAGGAGCAGCCGAACTCTAGCATCGAGGCCCTTCGCTGTCTGTCAGGGCTATGAC
CCTCCCGAGGGGTTTCATCCCGGACCTGAGCAAACCCCTGCTGGACCATTCTTACGACCCA
GATTTCAACCAGCTGGATGGTCCCACCCGCATCATTGTGCCTTTTGTGACCTGTGGGGAC
CTGAGCTCCTATGATTCGGACCGCAGTTACCCACTGGACCTAGAGGGCGGCTCAGAGTAC
AAGTACACTCCACCCACACAGCCCCCATCTCGCCACCATACCAGGAGGCTGCACGTTG
AAGAGGAAGGGGCAGCTGGCCAAGGAGATCCGCCCCCAGGACTGCCCCATCAGCAGAGTG
GACACGTTTCCCCAGCCCCTGGCCGCCCTCAGTGCCACACCCCTGCTGGCCCCTGAGATG
GAAGACAATGAAATGAGTTGTTACCTTAA

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Clone variation with respect to NM\_012280.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_012280 unedited</p> <pre> AGAGTCANTATTTGTATACCATCATATAGGGCGGCCGGAATTCGCACGAGGCCGGAACC TGGGCGATCCACGATGCCGAGTTTGCCACGCTGCGACAGCCCATAGGCTTGCCCCCCGG GCATTCGGGTGGACTACGAACACAACTGAAGCCCTAGGACTTGTGCCCCGTTTGCCTC TCGCCGAGGCACAGGCTGCTCGCGGACCACCCTGCTCCGAAAATAAGAGGTAGGTGGTA GCCCCATTCATCTGTTACTGATACTGGCCGGCATCAGTGGACTGTCCGGCAGGTCCTTGAG CAACTGGTGTGTGAAATGGGACGGACGTCAAAGGACAAGCGGGATGTCTACTACCCGCTG GCCAAGGAGAATGGCTGGCTGCTCGCAGCGCCTTCAAACCTGCTACAACCTGGATAAGGAA TCCAACCTCTTCCAAGGCGTGACACGGGAGTTGACCTGTGTGCAGCCCCAGGCAGCTGG AGCCAGGTGCTGAGCCAGAAGATCGGGGGCCAAGGGTCCGGCCACGTGGTGGCTGTGGAC CTGCAGGCTATGGCTCCACTACCAGGTGTGGTACAGATCCAGGGGGACATCACCCAGCTG TCCACTGCCAAGGAGATCATCCAGCACTTAAGGGCTGCCCTGCGGACCTAGTGGTGTGT GACGGGGCTCCTGATGTAACCGGTCTCCATGATGTTGATGAGTATATGCAGGCCAGCTC CTNCTAGCTGCTCTGAACATTGCTACACATGCTCCTGAAGCCAGGGGGCTGCTTTGTGGCC AAGATATTCAGCCCGGATGTGACGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCTNCA GGGTGCTGTGTGGCCAAGCCAGGAACAGCCGGGACTCTAGCATCGAGCCTTNCGCTGTC TGTCAGGGCTATG </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_012280 unedited</p> <pre> CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATATATGGNGCTTTTTAATT AATACATCAACTTACAGGATCTGCTATCATTCCAAGAGGTGACAAATATGAACAATACTT CAAGATGCCCTTTTATGTTACATTACAGTTGCTGTAACCTGGTTTGTATTGGTGGGAAAA TCCCAGGTAAGTCTTTACTACTGTGATTTGTTGCCAGCATTTATAACTGGGAGTAAGG CTAAATTTTCAGTTTCATTGCTGAAAATAAAGATGTAACATTTTCTCCATCAAGTTCATG GTTACCCCTGGCTTCTATCCAGGTTAAGAATCCCTGCCTTTAGGGAAAATCTGGACATA ATCAGGACACTCCTGAAGAGGTTTAAAGAAGAGGTAAGACCTCAAGAAATCCCACT GCAGTACAGACAGACTTTTCATGGTTTCTTTCCTTGTGCTTTCAGGGTGTGTCAGATCC CTCCTCANGGCTGTTTTGTCCAGGCCTCGTTGATGAGATGATATTTGAAAACAAGTTCA TCAACAAGTTCCCGGTTTTCTGACATTGAGCAGTTTCTGAGTTGATCAGTTTGCCAGC GTAATGGGTTAAGGTGAACAACCTATTTTATTGCTTCCATCTCAGGGGCCNCANGGNTG TGCACTGAGGGGGCGGCGAGGGGCTGGGAAACGTGCCACTCTGCTGATGGGGCAGTCT GGGGGGGATACTCCTGGCCAGCTGCCCTTTCTTNCACGTTGCAGCCTCCTGTATG GTGGCCAAAATGGNGGGCTGTGTGGGTGAANTGTACTTGTACTCTGANCCGCCCTAGT TCAATGGGTAAGTGCAGATCATAGGAGCTCAGGTCCACAGTCACAAATGCACA TGATGCCGTTGGACCATCANCTGNTTGAATCTGGNTCGAAAAATGGTCACACAGGGTTT TGTCTAGCTCCGGATGACCCCTCCGGAAGTNATAACCCTGAACACAGGAGGCCTATGCT TAATCCGCTGTTCTTGGCTTGCAACACACCTGGAAAAAACTCACTGT </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_012280
<b>Insert Size:</b>	1910 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).

**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:** [NM\\_012280.2](#), [NP\\_036412.1](#)

**RefSeq Size:** 1951 bp

**RefSeq ORF:** 990 bp

**Locus ID:** 24140

**UniProt ID:** [Q9UET6](#)

**Cytogenetics:** Xp11.23

**Domains:** FtsJ

**Gene Summary:** This gene encodes a member of the methyltransferase superfamily. The encoded protein localizes to the nucleolus, binds to S-adenosylmethionine, and may be involved in the processing and modification of ribosomal RNA. Mutations in this gene are associated with cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (1) encodes the longest isoform (a).