

## Product datasheet for **SC110339**

### **FTSJ1 (NM\_177434) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FTSJ1 (NM_177434) Human Untagged Clone
Tag:	Tag Free
Symbol:	FTSJ1
Synonyms:	CDLIV; JM23; MRX9; MRX44; SPB1; TRM7; TRMT7
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_177434, the custom clone sequence may differ by one or more nucleotides

```
ATGGGACGGACGTCAAAGGACAAGCGGGATGTCTACTACCGCCTGGCCAAGGAGAATGGCTGGCGTGCTC
GCAGCGCCTTCAAAGTGTACAAGTGGATAAGGAATTCCAAGTCTTCCAAGGCGTGACACGGGCAGTTGA
CCTGTGTGCAGCCCCAGGCAGCTGGAGCCAGGTGCTGAGCCAGAAGATCGGGGGCCAAGGGTCCGGCCAC
GTGGTGGCTGTGGACCTGCAGGCTATGGCTCCACTACCAGGTGTGGTACAGATCCAGGGGACATCACCC
AGCTGTCCACTGCCAAGGAGATCATCCAGCACTTAAGGGCTGCCCTGCGGACCTAGTGGTGTGTGACGG
GGCTCCTGATGTAACCGGTCTCCATGATGTTGATGAGTATATGCAGGCCAGCTCCTCCTAGCTGCTCTG
AACATTGTACACATGTCTGAAGCCAGGGGGTCTTTGTGGCCAAGATATTCCGAGGCCGGGATGTGA
CGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCTCCAGCGTGTGTGTGCCAAGGCCAGGAGCAGCCGGAA
CTCTAGCATCGAGGCCTTCGCTGTCTGTGAGGGCTATGACCTCCCGAGGGCTTCATCCCGGACCTGAGC
AAACCCCTGTGGACCATTCTTACGATTTCAACCAGCTGGATGGTCCCACCCGCATCATTGTGCCTTTTG
TGACCTGTGGGGACCTGAGCTCCTATGATTCGGACCGCAGTTACCACTGGACCTAGAGGGCGGCTCAGA
GTACAAGTACACTCCACCCACACAGCCCCCATCTCGCCACCATACCAGGAGGCTGCACGTTGAAGAGG
AAGGGGCAGCTGGCCAAGGAGATCCGCCCCAGGACTGCCCATCAGCAGAGTGGACACGTTTCCCAGC
CCCTGGCCGCCCTCAGTGCCACACCCTGCTGGCCCTGAGATGGAAGACAATGAAATGAGTTGTTCCAC
TTAA
```



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_177434 unedited CCGCGTATTCGGCACGAGGCAGGTCCC GGCCCGCCGGAACCTGGGCGATCCACGATGCCG AGTTTGGCACGCTGCGACAGCCCATAGGCTTGCCCCCGGGCATTCTGGGTGGACTACGA ACACAACTGAAGCCCTAGGACTTGTGCGCCGTTTGGCTCTCGCCGAGGCACAGGCTGC TCGCGGACCACCTGCTCCGAAAATAAGAGGTAGGTGGTAGCCATTTCATCTGGTTACT GATACTGGCCGGCATCAGTGGACTGTGCGCAGGTCCTTGAGCAACTGGTGTGAAATGG GACGGACGTCAAAGGACAAGCGGGATGTCTACTACCGCTGGCCAAGGAGAATGGCTGGC GTGCTCGCAGCGCTTCAAACCTGCTACAACCTGGATAAGGAATTCAAACCTTCCAAGGCG TGACACGGGCAGTTGACCTGTGTGCAGCCCAAGGCAGCTGGAGCCAGGTGCTGAGCCAGA AGATCGGGGGCCAAGGGTCCGGCCACGTGGTGGCTGTGGACTGCAGGCTATGGCTCCAC TACCAGGTGTGGTACAGATCCAGGGGGACATCACCCAGCTGTCCACTGCCAAGGAGATCA TCCAGCACTTTAAGGGCTGCCCTGCGGACCTAGTGGTGTGTGACGGGGCTCTGATGTAA CCGGTCTCCATGATGTTGATGAGTATATGCANGCCAGCTCCTCCTAGCTGCTCTGAACA TTGCTACACATGTCCCTGAGCCAGNGGGCTGCTTTGTGGCCAGATATCCGAGCCCGGG ATGTGACGCTTCTACANCAGCTGCAAGTCTTCTTTTCAGCGGGCTGTGTGCCAGCCCA GGACAGCCGGAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_177434
<b>Insert Size:</b>	4700 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_177434.1</a></u> , <u><a href="#">NP_803183.1</a></u>
<b>RefSeq Size:</b>	1678 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	24140
<b>Cytogenetics:</b>	Xp11.23

**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 (2) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a shorter protein (isoform b). Variants 2 and 3 encode the same isoform (b).