

## Product datasheet for SC310533

### FTSJ1 (NM\_177439) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJ1 (NM_177439) Human Untagged Clone
Tag:	Tag Free
Symbol:	FTSJ1
Synonyms:	CDLIV; JM23; MRX9; MRX44; SPB1; TRMT7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310533 representing NM_177439. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGGACGGACGTCAAAGGACAAGCGGGATGTCTACTACCGCCTGGCCAAGGAGAATGGCTGGCGTGCT
CGCAGCGCCTTCAAAGGAGATGCTACAAGGAGATGATAAGGAATTCAACTCTTCAAAGGCGTGACACGGGCAGTT
GACCTGTGTGCAGCCCCAGGCGAGCTGGAGCCAGGTGCTGAGCCAGAAGATCGGGGGCCAAGGGTCCGGC
CACGTGGTGGCTGTGGACCTGCAGGCTATGGCTCCACTACCAGGTGTGGTACAGATCCAGGGGGACATC
ACCCAGCTGTCCACTGCCAAGGAGATCATCCAGCACTTTAAGGGTGCCTGCGGACCTAGTGGTGTGT
GACGGGGCTCCTGATGTAACCGGTCTCCATGATGTTGATGAGTATATGCAGGCCAGCTCCTCCTAGCT
GCTCTGAACATTGCTACACATGTCTGAAGCCAGGGGGCTGCTTTGTGGCCAAGATATCCGAGGCCGG
GATGTGACGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCCAGCGTGTGTGTGCCAAGCCCAGGAGC
AGCCGGAACCTCTAGCATCGAGGCCCTTCGCTGTCTGTGACGGGCTATGACCCTCCCGAGGGCTTCATCCCG
GACCTGAGCAAACCCCTGCTGGACCATTTACGATTTCAACAGCTGGATGGTCCCACCCGCATCATT
GTGCCCTTTGTGACCTGTGGGGACCTGAGCTCCTATGATTCGGACCGCAGTTACCCACTGGACCTAGAG
GGCGGCTCAGAGTACAAGTACACTCCACCACACAGCCCCCATCTCGCCACCATACCAGGAGGCCTGC
ACGTTGAAGAGGAAGGGGACGCTGGCCAAGGAGATCCGCCCCAGGACTGCCCATCAGCAGAGTGGAC
ACGTTTCCCAGCCCCTGGCCGCCCTCAGTGCCACACCCTGCTGGCCCTGAGATGGAAGACAATGAA
ATGAGTTGTTACCTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_177439
Insert Size:	984 bp



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<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<a href="#">NM_177439.2</a>
<b>RefSeq Size:</b>	2191 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	24140
<b>UniProt ID:</b>	<a href="#">Q9UET6</a>
<b>Cytogenetics:</b>	Xp11.23
<b>MW:</b>	35.9 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a.</p>