

## Product datasheet for **RG204888**

### FTSJ1 (NM\_177439) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJ1 (NM_177439) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FTSJ1
Synonyms:	CDLIV; JM23; MRX9; MRX44; SPB1; TRMT7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204888 representing NM_177439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGACGGACGTCAAAGGACAAGCGGGATGTCTACTACCGCCTGGCCAAGGAGAATGGCTGGCGTGCTC  
GCAGCGCCTTCAAAGTGTACAAGTGGATAAGGAATCCAAGTCTTCAAGGCGTGACACGGGCAGTTGA  
CCTGTGTGCAGCCCCAGGCAGCTGGAGCCAGGTGCTGAGCCAGAAGATCGGGGCCAAGGGTCCGGCCAC  
GTGGTGGCTGTGGACCTGCAGGCTATGGCTCCACTACCAGGTGTGGTACAGATCCAGGGGACATCACCC  
AGCTGTCCACTGCCAAGGAGATCATCCAGCACTTAAGGGCTGCCCTGCGGACCTAGTGGTGTGTGACGG  
GGCTCCTGATGTAACCGGTCTCCATGATGTTGATGAGTATATGCAGGCCAGCTCCTCCTAGCTGCTCTG  
AACATTGCTACACATGTCTGAAGCCAGGGGGCTGCTTTGTGGCCAAGATATCCGAGGCCGGGATGTGA  
CGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCTCCAGCGTGTGTGTGCCAAGGCCAGGAGCAGCCGGAA  
CTCTAGCATCGAGGCCTTCGCTGTCTGTGAGGGCTATGACCCCTCCCGAGGGCTTCATCCCGACCTGAGC  
AAACCCCTGTGGACATTCTTACGACCCAGATTTCAACCAGCTGGATGGTCCCACCCGCATCATTGTGC  
CTTTTGTGACCTGTGGGACCTGAGCTCCTATGATTCGGACCGCAGTTACCCACTGGACCTAGAGGGCGG  
CTCAGAGTACAAGTACACTCCACCCACACAGCCCCCATCTCGCCACCATACCAGGAGGCCTGCACGTTG  
AAGAGGAAGGGGACGTGGCCAAGGAGATCCGCCCCAGGACTGCCCATCAGCAGAGTGGACACGTTTC  
CCAGCCCTGGCCGCCCTCAGTGCCACACCTGCTGGCCCTGAGATGGAAGACAATGAAATGAGTTG  
TTCACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204888 representing NM\_177439  
Red=Cloning site Green=Tags(s)

MGRTSKDKRDVYRLAKENGWRARSFAKLLQLDKEFQLFQGVTRAVDLCAAPGSWSQVL~~SQKIGGQGS~~GH  
 VVAVDLQAMAPLPGVVQIQGDITQLSTAKEIIQHFKGCPADLVVCDGAPDVTGLHDVDEYMQAQLLLAAL  
 NIATHVLKPGGCFVAKIFRGRDVTLLYSQLQVFFSSVLCAKPRSSRNSSIEAFVACQGYDPPEGFIPDLS  
 KPLLDHSYDPDFNQLDGPTRIIVPFVTCGDLSSYSDRSYPLDLEGGSEYKYTPPTQPPISPPYQEA~~CTL~~  
 KRKGLAKEIRPQDCPISRVDTFPQPLAAPQCHTLLAPEMEDNEMSCSP

TRTRPLE - GFP Tag - V

**Restriction Sites:**

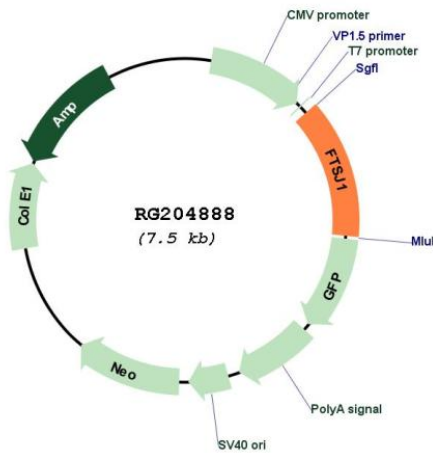
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_177439

**ORF Size:** 981 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_177439.1</a> , <a href="#">NP_803188.1</a>
<b>RefSeq Size:</b>	2051 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>Gene Summary:</b>	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]