

Product datasheet for **RG215707**

FTSJ1 (NM_177434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJ1 (NM_177434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FTSJ1
Synonyms:	CDLIV; JM23; MRX9; MRX44; SPB1; TRM7; TRMT7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215707 representing NM_177434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACGGACGTCAAAGGACAAGCGGGATGTCTACTACCGCCTGGCCAAGGAGAATGGCTGGCGTGCTC
GCAGCGCCTTCAAAGTGTACAAGTGGATAAGGAATCCAAGTCTTCAAGGCGTGACACGGGCAGTTGA
CCTGTGTGCAGCCCCAGGCAGCTGGAGCCAGGTGCTGAGCCAGAAGATCGGGGCCAAGGGTCCGGCCAC
GTGGTGGCTGTGGACCTGCAGGCTATGGCTCCACTACCAGGTGTGGTACAGATCCAGGGGACATCACCC
AGCTGTCCACTGCCAAGGAGATCATCCAGCACTTAAGGGCTGCCCTGCGGACCTAGTGGTGTGTGACGG
GGCTCCTGATGTAACCGGTCTCCATGATGTTGATGAGTATATGCAGGCCAGCTCCTCCTAGCTGCTCTG
AACATTGCTACACATGTCTGAAGCCAGGGGGCTGCTTTGTGGCCAAGATATTCCGAGGCCGGGATGTGA
CGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCTCCAGCGTGTGTGTGCCAAGGCCAGGAGCAGCCGGAA
CTCTAGCATCGAGGCCTTCGCTGTCTGTGAGGGCTATGACCCCTCCGAGGGCTTCATCCCGGACCTGAGC
AAACCCCTGTGGACATTCTTACGATTTCAACCAGCTGGATGGTCCCACCCGCATCATTGTGCCTTTTG
TGACCTGTGGGGACCTGAGCTCCTATGATTCGGACCGCAGTTACCACTGGACCTAGAGGGCGGCTCAGA
GTACAAGTACACTCCACCACACAGCCCCCATCTCGCCACCATACCAGGAGGCTGCACGTTGAAGAGG
AAGGGGACGCTGGCCAAGGAGATCCGCCCCAGGACTGCCCATCAGCAGAGTGGACAGTTCCTCCAGC
CCCTGGCCGCCCTCAGTGCCACACCCTGCTGGCCCCTGAGATGGAAGACAATGAAATGAGTTGTTACC
T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG215707 representing NM_177434
Red=Cloning site Green=Tags(s)

MGRTSKDKRDVYRLAKENGWRARSFAKLLQLDKEFQLFQGVTRAVDLCAAPGSWSQVL~~SQKIGGQGS~~GH
 VVAVDLQAMAPLPGVVQIQGDI~~TLSTAKEIIQHFKGCPADLVVCDGAPDVTGLHDVDEYMQAQLLLAAL~~
 NIATHVLKPGGCFVAKIFRGRDVTLLYSQLQVFFSSVLCAKPRSSRNSSIEAFVQCQGYDPPEGFIPDLS
 KPLLDHSYDFNQLDGPTRIIIVPFVTCGDLSSYSDRSYPLDLEGGSEYKYTPPTQPPI~~SPPYQEA~~CTLKR
 KGQLAKEIRPQDCPISRVDTFPQPLAAPQCHTLLAPEMEDNEMSCSP

TRTRPLE - GFP Tag - V

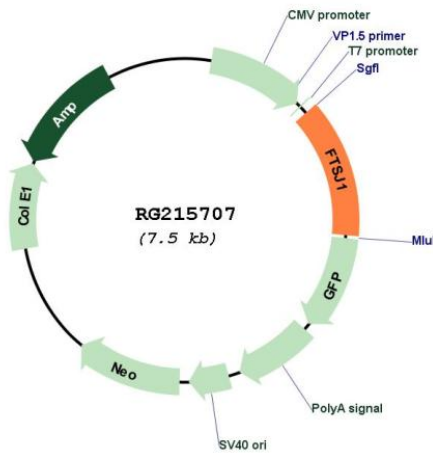
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_177434

ORF Size: 981 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_177434.1 , NP_803183.1
RefSeq Size:	1678 bp
RefSeq ORF:	983 bp
Locus ID:	24140
Cytogenetics:	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]