

Product datasheet for **RG236456**

FTSJ1 (NM_001282157) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FTSJ1 (NM_001282157) 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: >RG236456 representing NM_001282157.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCTCTGAACATTGCTACACATGTCCTGAAGCCAGGGGGCTGCTTTGTGGCCAAGATATTCGAGGC
CGGGATGTGACGCTCCTCTACAGCCAGCTGCAGGTCTTCTTCCAGCGTGTGTGTGCCAAGCCCAGG
AGCAGCCGGAACCTAGCATCGAGGCCCTTCGCTGTCTGTCAGGGCTATGACCTCCCAGGGGCTTCATC
CCGGACCTGAGCAAACCCTGCTGGACCATTCTTACGACCAGATTTCAACCAGCTGGATGGTCCCACC
CGCATCATTGTGCCTTTGTGACCTGTGGGACCTGAGCTCCTATGATTCGGACCGCAGTTACCCACTG
GACCTAGAGGGCGGCTCAGAGTACAAGTACACTCCACCCACACAGCCCCCATCTCGCCACCATAACCAG
GAGGCCTGCACGTTGAAGAGGAAGGGGAGCTGGCCAAGGAGATCCGCCCCAGGACTGCCCCATCAGC
AGAGTGGACACGTTTCCCAGCCCTGGCCGCCCTCAGTGCCACACCCTGCTGGCCCCTGAGATGGAA
GACAATGAAATGAGTTGTTACCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236456
Blue=ORF Red=Cloning site Green=Tag(s)

```
MALNIATHVLKPGGCFVAKIFRGRDVTLLYSQLQVFFSSVLCAPRSSRNSSIEAFVQCQYDPPEGFI
PDLSKPLLDHSYDPDFNQLDGPTRIIVPFVTCGDLSSYSDRSYPLDLEGGSEYKYTPPTQPPISPPYQ
EACTLKRKQLAKEIRPQDCPISRVDTFPQPLAAPQCHTLLAPEMEDNEMSCSP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

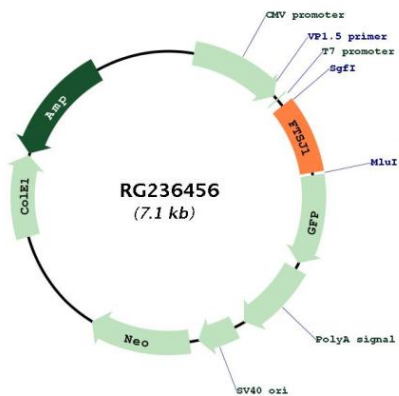
Restriction Sites: SgfI-MluI



Cloning Scheme:


- ACCN:** NM_001282157
- ORF Size:** 576 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).
- RefSeq:** [NM_001282157.1](#), [NP_001269086.1](#)
- RefSeq Size:** 1669 bp
- RefSeq ORF:** 579 bp
- Locus ID:** 24140
- UniProt ID:** [Q9UET6](#)
- Cytogenetics:** Xp11.23
- MW:** 21.7 kDa
- 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]

Product images:



Circular map for RG236456