

Product datasheet for RC236456

FTSJ1 (NM_001282157) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FTSJ1 (NM_001282157) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FTSJ1
Synonyms: CDLIV; JM23; MRX9; MRX44; SPB1; TRMT7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236456 representing NM_001282157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCTCTGAACATTGCTACACATGTCCTGAAGCCAGGGGCTGCTTTGTGGCCAAGATATCCGAGGCC
 GGGATGTGACGCTCCTCTACAGCCAGCTGCAGGCTTCTTCTCCAGCGTGTGTGTGCCAAGCCCAGGAG
 CAGCCGGAACCTAGCATCGAGGCTTCGCTGTCTGTCAGGGCTATGACCCTCCCGAGGGCTTCATCCCG
 GACCTGAGCAAACCCCTGCTGGACCATTCTACGACCCAGATTTCAACCAGCTGGATGGTCCCACCCGCA
 TCATTGTGCCTTTTGTGACCTGTGGGGACCTGAGCTCCTATGATTCGGACCGCAGTTACCCACTGGACCT
 AGAGGGCGGCTCAGAGTACAAGTAACTCCACCCACACAGCCCCCATCTCGCCACCATACCAGGAGGCC
 TGCACGTTGAAGAGGAAGGGGACCTGGCCAAGGAGATCCGCCCCAGGACTGCCCATCAGCAGAGTGG
 ACACGTTTCCCAGCCCCTGGCCGCCCTCAGTGCCACACCCTGCTGGCCCCTGAGATGGAAGACAATGA
 AATGAGTTGTTACCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236456 representing NM_001282157
 Red=Cloning site Green=Tags(s)

MALNIATHVLKPGGCFVAKIFRGRDVTLLYSQLQVFFSSVLCAPRSSRNSSIEAFVAVCQGYDPPPEGFIP
 DLSKPLLDHSYDPDFNQLDGPTRIIVPFVTCGDLSSYSDRSYPLDLEGGSEYKYPPTQPPISPPYQEA
 CTLKRKQLAKEIRPQDCPISRVDTFPQPLAAPQCHTLAPEMEDNEMSCSP

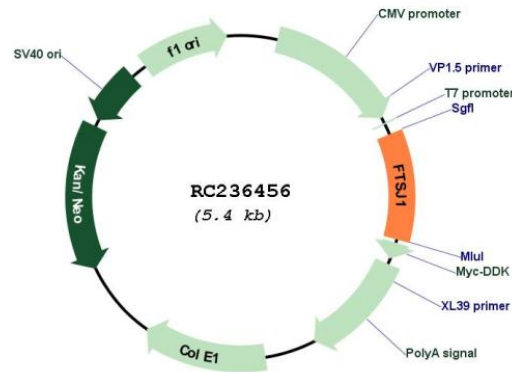
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


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).

Reconstitution Method:

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_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]