

Product datasheet for **SC316833**

FTSJD1 (CMTR2) (NM_001099642) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJD1 (CMTR2) (NM_001099642) Human Untagged Clone
Tag:	Tag Free
Symbol:	FTSJD1
Synonyms:	AFT; FTSJD1; HMTr2; MTr2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001099642, the custom clone sequence may differ by one or more nucleotides

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ATGAGTAAGTGCAGAAAGACACCAGTTCAGCAGCTAGCAAGTCCCGCGTCATTCAGCCCA
GATATTCTTGCTGACATTTTTGAACTCTTTGCCAAGAACCTTTCTTATGGCAAGCCACTT
AATAATGAGTGGCAGTTACCAGATCCCAGTGAGATTTTCCCTGTGACCACACTGAACTT
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CATCGGTTTCTTGTCATTGGAGTTGGGTAGCGAATACTCTGAATCCATACCATGAAGCA
AATGACGACCTCATGATGATTATGGATGACCGGCTTATTGCAAATACCTTGCACTGGTGG
TACTTTGGTCCAGATAACACTGGTGATATCATGACCTGAAATTTCTTGACTGGACTTCAG
AATTTTCATAAGCAGCATGGCTACTGTTCACTTGGTCACTGCAGATGGGAGTTTTGATTGC
CAAGGAAACCCAGGTGAACAAGAAGCTTTAGTTTCTTCTTTGCATTACTGTGAAGTTGTC
ACTGCTCTGACCCTCTTGGAAACGGTGGCTCTTTTGTCTAAAGATGTTTACTATGTTT
GAACATTGTTCCATAAACTTGATGTACCTGCTAAACTGTTGTTTTGACCAAGTCCATGTT
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CAGCAGTATTCTGTTCTGTGCATGTTTTTCTGAAGAACTGATATTTCCGAGTTGTGT
AGCCTTACTGAGTGCCTCAGGATGAGCAGGTTGTAGTACCCAGCAATCAAATAAAGTGC
CTGCTGGTGGGCTTTTCCACTCTCCGTAATATCAAATGCATATACCGTTGGAAGTTCGA
CTCCTAGAATCAGCTGAACTCACAACCTTTAGCTGTTTATTGCTTCATGATGGAGATCCA
ACTTACCAGCGTTATTTTTGGACTGCCTTCTACATTCATTGCGGGAGCTTCATACAGGA
GATGTTATGATTTTGCCTGTACTTTCTTGCTTCACAAGATTTATGGCTGGTTTGATCTTT
GTACTCCACAGTTGTTTTAGATTCATCACTTTTGTGTTGCCACATCCTCTGATCCCTG
AGGACCTGCGCAGTCTGCTATGTGTTGGTTATCAGGACCTTCCAATCCAGTTTCCGA
TATTTGCAGAGTGTGAATGAATGTTGAGCACTTTGCTCAACTGACTCACCCAGCAG
GTTTTACAGTTTGTGCCAATGGAGGTAATCCTTAAAGGGGCCCTGCTTGATTTTTGTGG
GATTTGAATGCTGCCATTGCTAAAAGGCATTTGCATTTTATTCAAAGAGAGAGAGAA
GAAATTATCAACAGCCTTCAGTTACAAAAC

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Restriction Sites: Please inquire

ACCN: NM_001099642

OTI Disclaimer: 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).

OTI Annotation:	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.
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:	<u>NM_001099642.1</u> , <u>NP_001093112.1</u>
RefSeq Size:	4040 bp
RefSeq ORF:	2313 bp
Locus ID:	55783
UniProt ID:	<u>Q8IYT2</u>
Cytogenetics:	16q22.2
Gene Summary:	S-adenosyl-L-methionine-dependent methyltransferase that mediates mRNA cap2 2'-O-ribose methylation to the 5'-cap structure of mRNAs. Methylates the ribose of the second nucleotide of a m(7)GpppG-capped mRNA and small nuclear RNA (snRNA) (cap0) to produce m(7)GpppRmpNm (cap2). Recognizes a guanosine cap on RNA independently of its N(7) methylation status. Display cap2 methylation on both cap0 and cap1. Displays a preference for cap1 RNAs.[UniProtKB/Swiss-Prot Function]