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Product datasheet for SC113563

FTSJD1 (CMTR2) (NM_018348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FTSJD1 (CMTR2) (NM_018348) Human Untagged Clone
Tag:	Tag Free
Symbol:	FTSJD1
Synonyms:	AFT; FTSJD1; HMTr2; MTr2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_018348, the custom clone sequence may differ by one or more nucleotides

ATGAGTAAGTGCAGAAAGACACCAGTTCAGCAGCTAGCAAGTCCCGCGTCATTCAGCCCAGATATTCTTG
CTGACATTTTTGAACTCTTTGCCAAGAACTTTTCTTATGGCAAGCCACTTAATAATGAGTGGCAGTTACC
AGATCCCAGTGAGATTTTCACCTGTGACCACACTGAACTTAATGCATTTCTTGATTTGAAGAACTCCCTA
AATGAAGTAAAAAACCTACTGAGTGATAAGAAACTGGATGAGTGGCATGAGCACACTGCTTTCACTAATA
AAGCGGGGAAAATCATTTCTCATGTTAGAAAATCTGTGAATGCTGAACTTTGTACTCAAGCATGGTGTAA
GTTCCATGAGATTTTGTGCAGCTTTCCACTTATTCCACAGGAAGCTTTTCAGAATGGAAAACTGAATTCT
CTACACCTTTGTGAAGCTCCAGGAGCTTTTATAGCTAGTCTCAACCACTACTTAAAATCCCATCGGTTTC
CTTGTCATTGGAGTTGGGTAGCGAATACTCTGAATCCATACCATGAAGCAAATGACGACCTCATGATGAT
TATGGATGACCGGCTTATTGCAAATACCTTGCACTGGTGGTACTTTGGTCCAGATAACACTGGTGATATC
ATGACCCTGAAATTCTTGACTGGACTTCAGAATTTCATAAGCAGCATGGCTACTGTTCACTTGGTCACTG
CAGATGGGAGTTTTGATTGCCAAGGAAACCCAGGTGAACAAGAAGCTTTAGTTTCTTCTTTGCATTACTG
TGAAGTTGTCACTGCTCTGACCACTCTTGGAAACGGTGGCTCTTTTGTTCTAAAGATGTTTACTATGTTT
GAACATTGTTCCATAAACTTGATGTACCTGCTAAACTGTTGTTTTGACCAAGTCCATGTTTTCAAACCTG
CTACTAGCAAGGCAGGAAACTCCGAAGTCTATGTGGTTTGCCTCCACTATAAGGGGAGAGAGGCCATCCA
TCCTCTGTTATCTAAGATGACCTTGAATTTTGGGACTGAAATGAAAAGGAAAGCCCTTTTTCCCCATCAT
GTGATTCCTGATTCTTTTCTTAAGAGACATGAAGAATGTTGTGTGTTCTTTCATAAATATCAGCTAGAGA
CTATTTCTGAAAACATTCGTCTATTTGAGTGCATGGGAAAGGCGGAACAAGAAAAGCTGAATAATTTAAG
GGATTGTGCTATACAATATTTTATGCAAAAATTTCAACTGAAACATCTTTCCAGAAATAATTGGCTAGTA
AAAAAATCTAGTATTGGTTGTAGTACAAATACAAAATGGTTTGGGCAGAGGAACAAATATTTTAAAACTT
ATAATGAAAGGAAGATGCTAGAAGCCCTTTCATGGAAAGATAAAGTAGCCAAAGGATACTTTAATAGTTG
GGCTGAAGAACATGGTGTATATCATCCTGGGCAGAGTTCTATTTTAGAAGGAACAGCTTCCAATCTTGAG
TGTCACTTATGGCATATTTTGGAGGGAAAGAAACTGCCAAAGGTAAAATGTTCTCCTTTTTGCAATGGTG
AAATTTTAAAAACTCTTAATGAAGCAATTGAAAAGTCATTAGGAGGAGCTTTTAATTTGGATTCCAAGTT
TAGGCCAAAACAGCAGTATTCTTGTTCTTGTCATGTTTTTTCTGAAGAACTGATATTTTCCGAGTTGTGT
AGCCTTACTGAGTGCCTTCAGGATGAGCAGGTTGTAGTACCCAGCAATCAAATAAAGTGCCTGCTGGTGG
GCTTTTCGACTCTCCGTAATATCAAAATGCATATACCGTTGGAAGTTCGACTCCTAGAATCAGCTGAACT
CACAACTTTTAGCTGTTCATTGCTTCATGATGGAGATCCAACTTACCAGCGTTTATTTTTGGACTGCCTT
CTACATTCATTGCGGGAGCTTCATACAGGAGATGTTATGATTTTGCCTGTACTTTCTTGCTTCACAAGAT
TTATGGCTGGTTTGATCTTTGTACTCCACAGTTGTTTTAGATTCATCACTTTTGTTTGTCCCACATCCTC
TGATCCCCTGAGGACCTGCGCAGTCCTGCTATGTGTTGGTTATCAGGACCTTCCAAATCCAGTTTTCCGA
TATTTGCAGAGTGTGAATGAATTGTTGAGCACTTTGCTCAACTCTGACTCACCCCAGCAGGTTTTACAGT
TTGTGCCAATGGAGGTACTCCTTAAGGGGGCCCTGCTTGATTTTTTGTGGGATTTGAATGCTGCCATTGC
TAAAAGGCATTTGCATTTCATTATTCAAAGAGAGAGAGAAGAAATTATCAACAGCCTTCAGTTACAAAAC
TGA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_018348 unedited
GGGGTTGNACACCCAATTATGTNAATACGAATCTCACTATAGGGCGGCCGCGAATTCGCA
CGAGGGGGCCCGNGAGTGGGACTGGCTTCCCGGTGCCGCGAGGGCGGGTCCGGACAGCCT
TCCCCCCAGTCCGGCGCACCATCTCCCTGCCTTGTGGCTGGAGGCGCCGCGGACCCAAAG
GGAGGGACCATCCCGGGAAGCAGCCCCGAGAGCGGAAGTGCAGAATGGCTTCCTCGAGAG
AGTAAAGTGCAGCCTCTCCAGACACTGGGGCCCCAGTGGGCGTGGGCGAAGGTAATCCAG
GCCTGGGTACGATTCCGGGCCCTCCTTCGACTTCCCAGCGGTTGCTGGTAGGAGGAGTTG
GCGGAAGCACTTGGAACTCCTTTATAAGTGTCAGCTGTGAGATTTTAATTTGATTTGAAA
ATGAGTAAGTGCAGAAAGACACCAGTTCAGCAGCTAGCAAGTCCCGCGTCATTCAGCCCA
GATATTCTTGCTGACATTTTTGAACTCTTTGCCAAGAACTTTTCTTATGGCAAGCCACTT
AATAATGAGTGGCAGTTACCAGATCCCAGTGAGATTTTCACCTGTGACCACACTGAACTT
AATGCATTTCTTGATTTGAAGAACTCCCTAAATGAAGTAAAAAACCTACTGAGTGATAAG
AAACTGGATGAGTGGCATGAGCACACTGCTTTCACTAATAAAGCGGGGAAAATCATTTCT
CATGTTAGAAAATCTGTGAATGCTGAAACTTGTACTCAAGCATGGTGTAAGTNCCATGAG
AATTTGTGCAGCTTTTCACTTATTCCACAGGGAGCTTTNCAGAATGGAAAACTGAATTCT
CTAAACCTTTGTGAAGCTCCACGACTTTTATAGCTAGTCTCACCACTACTTAAAATCCAT
CGNTTTCCTTGTCATTGGAGTTGGTAACGAATC
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Restriction Sites: NotI-NotI

ACCN: NM_018348

Insert Size: 4300 bp

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).

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_018348.4, NP_060818.3

RefSeq Size: 4184 bp

RefSeq ORF: 2313 bp

Locus ID: 55783

UniProt ID: Q8IYT2

Cytogenetics: 16q22.2

Domains: FtsJ

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]