

Product datasheet for **MR210907**

Ftsj3 (BC012281) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ftsj3 (BC012281) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ftsj3
Synonyms:	AA537063; AU045295; C79843; D11Ertd400e; Epcs3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210907 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCAAGAAAGCAAAGTAGGCAAGAGCCGGCGGACAAGTTCTATCACTTGCCAAAGGAGACTGGTT
 ATCGTTTCGCGCTCTGCCTTCAAACCTGATCCAGCTCAATCGCCGCTTTCAGTTCCTGCAGAAAGCCCGGGC
 CTTGTTGGACCTGTGTGCTGCGCCTGGCGGATGGCTGCAGGTGGCTGCCAAGTTTATGCCTGTATCCAGT
 CTTATTGTAGGAGTGGACCTCGTTCCAATCAAGCCTCTCCCAATGTGGTGACTCTCCAGGAGGATATCA
 CAACAGAACGCTGTAGGCAGGCCCTGAGGAAGGAGCTGAAGACCTGGAAAGTTGATGTTGTGCTTAATGA
 TGGGGCTCCCAATGTGGGGGCTAGTTGGGTCCATGACGCTTACTCCCAAGCTCACCTAACTCTGATGGCT
 CTGCGTTTGGCTGTGATTTTTGGCCGTGGTGGTTGTTTCATCACAAAAGTCTTTCGTTCCCGAGACT
 ATCAGCCCTTGTGTGGATCTTCCAGCAGCTGTTCCACCGTGTCCAGGCCACGAAGCCCCAAGCCTCTCG
 CCATGAATCTGCAGAAATCTTTGTAGTCTGTCAAGGATTCTGGCTCCGACAAGTTGATGCTAAATTC
 TTTGATCCCAAGTTTGCCTTAAAGGAGGTTGAAGTTCAGGCTAAAACCTGTTACTGAGTTGGTGACAAGGA
 AGAAGCCAAAGGCTGAAGGCTATGCCGAAGGTGACCTTACTCTTTATCACCGAACCTCAGTTACGGACTT
 CTTGCGAGCTGCCAATCCTGTTGACTTCTCTCCAAGGCCAGCGAAATCTCAATAGATGATGAAGAGTTG
 GCACAGCACCCAGCTACAACCTGAAGACATTAGAGTATGCTGTCCAGGACATCAAAGTGTGGGGCGAAAGG
 AACTTAGTCTCTTCTGAATTGGAGAACAAGCTTCGGCGATATGTGGCTAAGAAGCTGAAAAGAGCAAGC
 AAAGGCATTGGACATCAGCCTCAGCTCAGAAGAAGAAGAAGGTGATGAAGAAGAGGCAGTAGCTGAG
 ACAAGCAGGCGCCAGAGGAAGAAGAAGAGAGAGAGGAAGAACAAGCTTAAATCGGACTCTGGCAGAGATGA
 AAGCCCAAGAAGTGGCAGAACTCAAGAGGAAGAAGAAGTTGCTTCGTGAGCAGAGGAAGCAGCGGGGA
 GCGTGTGAGACTGAAGATGGATTTGCCTGGGGTTTCTATTGCAGATGAGGGGGAGACAGGCATGTTCTCC
 CTGCGAACCATCCGTGGCCAGCAGCTATTAGAGGAAGTAAACAAGGAGACATGAACGCTGCAGACACCT
 TTCTGTCTGATCTGCCAAGGGATGACATCTATGTGTGAGATGCTGAGGACGATGATGATACTTCTCTGGA
 AAGTGACCTGGATCCAGAAGAGCTGGCAGGAGTCAAGGACACACTCGGATCTGAAGGAGCAGAAGTACTTG
 CGGTTTACTAAAGTAGATGACAATAAAGAGGAAGGAGGAGAAAATCCATTGCTGGTACCCTGGAAGAAA
 AGGCAGTACTGCAGGAAGAGCAAGCTAGCCTGTGGTTCTCCAAGGACGGCTTCAGTGGGATAGAGGATGA
 TGCTGACGAAGCCCTGGAGATCAGTCAGGCACAGCTGCTGTACAAGAGCCGTGGGAAGGAGCAGCAGCCA
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 CTCAGATAGTGACAGCAGCAGTGTGAGGATGAAGATAGCTGGAAAGTGTCCCCTGGTGTGAAGCGAGGC
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 TGGACCTGAAGGCCCTTGTCTAGGTGCTGTTATTGCCTCTTCAAAAAGGCAAAGAGAGACCTCATAGA
 TAACTCGTTCAACCGGTATGCTTTTAAAGAGGAGGGGAGAAGTTCCTGAGTGGTTTGCACAGGAAGAA
 AAGCAGCATCGGATACGCCAGCTGCCTGTTGATAAGAAGGAGGTGGAACATTACCGAAAACGCTGGCGGG
 AAATCAATGCACGGCCCATCAAGAAAGTGTGAGGCCAAGGCCAGAAAGAAACGGAGGATGCTGAAGAA
 GCTGGAACAGACCAAAAAGAAGGCAGAAGCTGTGGTGAATACAGTGGACATCTCAGAACGGGAAAAGGTG
 GCACAGCTGGCCAGTCCAGTACATACTGTGGACTTGGCATAGCAGTCATTGTTAGAGTTTTTCATCTCG
 CCTTTAAGGGTGTGAACCAATAATCTCCAGGATGCAAGCCAAAAGGTCACGCAAGATAGTTGTTGC
 TCGAATGAAGAAGGATCAGAGAGCAACAACGGAAGGAACAGAAGAAAAACACAAGCGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210907 protein sequence
 Red=Cloning site Green=Tags(s)

MGKKGKVGKSRDKFYHLAKETGYRSRSFAFKLIQLNRRFQFLQKARALLDLCAAPGGWLQVAAKMPVSS
 LIVGVDLVPIKPLPNVTLQEDITTECRQALRKELKTWKVDVVLNDGAPNVGASWVHDAYSQAHLTLMA
 LRLACDFLARGGCFITKVFRRDYQPLLWIFQQLFHRVQATKPQASRHESAEIFVVCQGFLAPDKVDAKF
 FDPKFAFKEVEVQAKTVELVTRKKPKAEGYAEGDLTYHRTSVTDFLRAANPVDFLSKASEISIDDEEL
 AQHPATTEDIRVCCQDIKVLGRKELRSLLNWRTKLRRYVAKKLEQAKALDISLSEEEEEEGDEEEAVAE
 TKQAPEEEEEEREEQLNRTLAEMKAQEVAELKRKKKLLREQRKQRRVELKMDLPGVSIADGETGMFS
 LRTIRGQQLLEEVTVQGMNAADTFSDLPRDDIYVSDAEDDDTSLESDDLPEELAGVRTHSDLKEQKYL
 RFTKVDDNKEEGENPLLVPLEEKAVLQEEQASLWFSKDGFSGIEDDADEALEISQAQLLYKSRKEQQP
 TDPPPPPTNLKTEKKSPQGQNEVPKETEAILGTEAVTDPGGEERGNSDSDSSSEDEDSWKVSRGVKRG
 RGSKADEDFEVVPIQDPVKYRILDPEGLALGAVIASSKAKRDLIDNSFNRYAFNEEGELPEWFAQEE
 KQHRIRQLPVDKKEVEHYRKRWREINARPIKKVAEAKARKRRMLKKLEQTKKKAEAVVNTVDISEREKV
 AQLASPVHTAGLGIATIVRVFHLAFKGVNHNLPGCKPKGHAKIVVARMKKDQRAQRKEQKKKHKRK

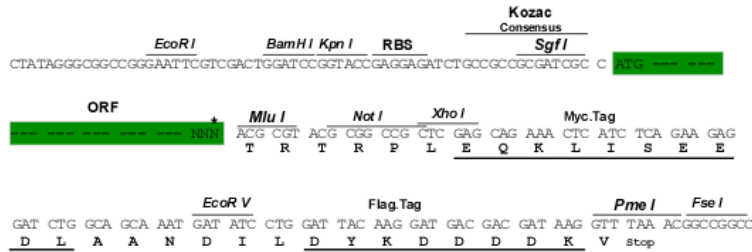
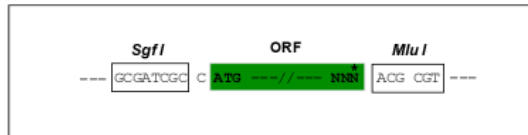
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC012281

ORF Size: 2514 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: [BC012281](#), [AAH12281](#)

RefSeq Size: 2883 bp

RefSeq ORF: 2516 bp

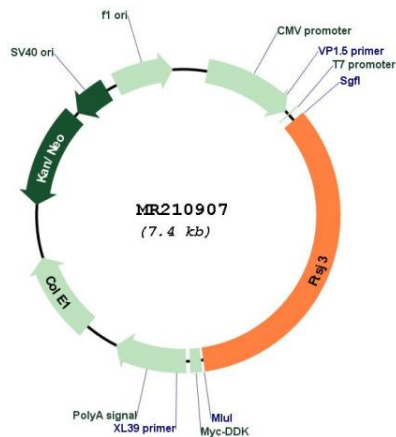
Locus ID: 56095

Cytogenetics: 11 68.89 cM

MW: 95.2 kDa

Gene Summary: RNA 2'-O-methyltransferase involved in the processing of the 34S pre-rRNA to 18S rRNA and in 40S ribosomal subunit formation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210907