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Product datasheet for MC206914

0610038D11Rik (BC019418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	0610038D11Rik (BC019418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	0610038D11Rik
Synonyms:	0610038D11Rik; Trm112p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206914 representing BC019418. Blue=ORF Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAAACTGCTCACCCACAATCTCCTAAGCTCCCATGTGCGGGGCGTGGGCACGCGTGGCTTCCCGCTG CGCCTGCAGGCCACTGAGGTCCGCATCAACCCCGTGGAGTTCAACCCGGAGTTCGTGGCGCGGATGATC CCCAAAGTGGAGTGGGCGGCGCTTGTGCAGGCAGCGGACACCTTAAACTTGGCCGAGGTACCCAAAGAG CCGACTGAAGGCTATGAGCACGACGAGACATTTTTGAGGAAGATGCACCACGTGTTGCTTGAGGTGAGA ATCCTTGGGCATCGCCTGCCCAGACCTCCCACTGAGGCTACCGGTGCTTAG AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-RsrII
ACCN:	BC019418
Insert Size:	327 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).

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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: BC019418

RefSeq Size: 654 bp

RefSeq ORF: 326 bp

Locus ID: 67674

Cytogenetics: 19 A

MW: 12.2 kDa

Gene Summary: Acts as an activator of both rRNA/tRNA and protein methyltransferases (PubMed:26797129). Together with methyltransferase BUD23, methylates the N(7) position of a guanine in 18S rRNA (By similarity). The heterodimer with HEMK2/N6AMT1 catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor (PubMed:20606008, PubMed:26797129). The heterodimer with ALKBH8 catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA species (By similarity). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production (By similarity).[UniProtKB/Swiss-Prot Function]

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