OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC218474

5830415F09Rik (BC092543) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5830415F09Rik (BC092543) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	5830415F09Rik
Synonyms:	5830415F09Rik; AV014846; Nap1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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>BC092543
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCGGCTTGGAGAAGCAGGGCTCGTGTGCTACGGCGGCCCCATGTGGGTGCGTTCAGCCGGTCCTGG
AGGCAGGGAATCTTTTAACTGAGCCAATAGGGTACTTGGAATCATGTTTCCCAGCCAAGATTGGCACTCC
AAGGCAGCCATCCATCTGTAGCCACTCCAGAGCCTGTTTGAAGATCAGAAAGAACATCTTTAATAACCCT
GAGCATTCCTTGATGGGCCTAGAAGAGTTTTCTCATGTTTGGATTTTGTTTGTTTTTCACAAAAATGGCC
ATTTGAACTACAAGGCAAAAGTGCAGCCGCCCAGGCTGAATGGGGCAAAGACTGGAGTGTTCTCCACACG
GAGCCCTCATCGCCCTAATGCCATAGGGCTGACGCTGGCCAAGCTGGAGAAGGTGGAAGGTGGAGCTGTC
TACCTGTCTGGAGTTGACATGATAGACGGCACACCTGTGCTAGACATAAAGCCCTACATTGCTGACTACG
ACTCACCACAGAACCTCAGTGTACACAATGACCACCATAAGCTGAGGGCTGAGGCCCAGGTTGATGGCAC
GGCCAACAGTTGTGACCAGCTGCTGCTCTCAGGGCGTGGGAAAGTACAGCCTCGCCAGAGCACCAAGGAG
AGACCGAAATGCCTTGAAGACAGGACCTCAGGAGAAAACTCTCAGAAGTCCAGAGACATGTCAGAAATCC
AGCACACTTTGCCAGAAGACAGAGAGAGAGCGTTGGATCTGGCACTGGAACCAAGCCGAGGTGAGAGCAT
GGATATGCCCGAAAATCAGCTTGGCCCACCGGAACTGAAGAGCTTTCTGGAAGAAGGCACAGATAGACCA
AGGAAAGTAGAAGGTGCCTTGGTCCTGCCGGGGAGCAGTGCAGAAACACAGTGGGATGCTTCCTACCGTG
CCAGGACAGCTGACAGAGTGCCCTACAGTGTTGTCCCCAGCTGGGTGACAGAGGCTCCTGTAGCCCCTTT
ACAAGTCCGGTTTACTCCTCACGCAGAGATGGATCTGAGGAAGCTCAATTCAGGAGATGCTAGTCAGCCG
TCATTTAAGTACTTCCACTCCGCAGAGGAAGCCAAGCGTGCCATTGAGGCTGTGCTGTCAGCAGATCCTC
GGTCTGTGTACCGCCGGAAGCTCTGCGAGGACCGCCTTTTCTTCTTCACTGTGGACACAGCACATGTCAC
CTGCTGGTTTGGTGATGGCTTCGCAGAGGTTGTGAGGATTAAACTGGCTTCTGAGTCTGTTCAGGTGGCT
GACCCTGAGGAATCCTTGGCGGCCCTGGGGTCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

ACCN: BC092543

Insert Size: 1296 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: BC092543, AAH92543

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RefSeq Size:	1561 bp
RefSeq ORF:	1295 bp
Locus ID:	74753
Cytogenetics:	4 B1
Gene Summary:	S-adenosyl-L-methionine-dependent methyltransferase responsible for the addition of the methyl group in the formation of N6-methyl-N6-threonylcarbamoyladenosine at position 37 (m(6)t(6)A37) of the tRNA anticodon loop of tRNA(Ser)(GCU). The methyl group of m(6)t(6)A37 may improve the efficiency of the tRNA decoding ability. May bind to tRNA.[UniProtKB/Swiss-Prot Function]

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