

## 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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC092543 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCGCGGCTTGGAGAAGCAGGGCTCGTGTGCTACGGCGGCCCATGTGGGTGCGTTAGCCGGTCTGG  
AGGCAGGGAATCTTTAACTGAGCCAATAGGGTACTTGAATCATGTTTCCAGCCAAGATTGGCACTCC  
AAGGCAGCCATCCATCTGTAGCCACTCCAGAGCCTGTTTGAAGATCAGAAAGAACATCTTTAATAACCT  
GAGCATTCTTGTATGGGCTAGAAAGATTTTCTCATGTTTGGATTTTGTGTTTTTACAAAAATGGCC  
ATTTGAACTACAAGGCAAAAGTGACGCCGCCAGGCTGAATGGGCAAAAGACTGGAGTGTTCTCCACACG  
GAGCCCTCATCGCCCTAATGCCATAGGGCTGACGCTGGCCAAGCTGGAGAAGGTGGAAGGTGGAGCTGTC  
TACCTGTCTGGAGTTGACATGATAGACGGCACACCTGTGCTAGACATAAAGCCCTACATTGCTGACTACG  
ACTCACCACAGAACCTCAGTGTACACAATGACCACCATAAGCTGAGGGCTGAGGCCAGGTTGATGGCAC  
GGCCAACAGTTGTGACCAGCTGCTGCTCTCAGGGCGTGGGAAAGTACAGCCTCGCCAGAGCACCAAGGAG  
AGACCGAAATGCCTTGAAGACAGGACCTCAGGAGAAAATCTCAGAAGTCCAGAGACATGTCAGAAATCC  
AGCACACTTTGCCAGAAGACAGAGAGAGAGCCTTGGATCTGGCACTGGAACCAAGCCGAGGTGAGAGCAT  
GGATATGCCCGAAAATCAGCTTGGCCACCGAACTGAAGAGCTTCTGGAAGAAGGCACAGATAGACCA  
AGGAAAGTAGAAGGTGCCTTGGTCTGCGGGGAGCAGTGCAGAAACACAGTGGGATGCTTCTACCGTG  
CCAGGACAGCTGACAGAGTGCCTACAGTGTGCTCCAGCTGGGTGACAGAGGCTCCTGTAGCCCTTT  
ACAAGTCCGGTTACTCCTCACGACAGAGATGGATCTGAGGAAGCTCAATTGAGGATGCTAGTCAGCCG  
TCATTTAAGTACTTCCACTCCGACAGGAAGCCAAGCGTGCCATTGAGGCTGTGCTGTCAGCAGATCCTC  
GGTCTGTGTACCGCCGAAGCTCTGCGAGGACCGCTTTTCTTCTCACTGTGGACACAGACATGTCAC  
CTGCTGGTTTGGTATGGCTTCGACAGGTTGTGAGGATTAAGTGGCTTCTGAGTCTGTTACAGGTGGCT  
GACCCTGAGGAATCCTTGGCGGCCCTGGGTCTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	BC092543
<b>Insert Size:</b>	1296 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC092543</a> , <a href="#">AAH92543</a>
<b>RefSeq Size:</b>	1561 bp
<b>RefSeq ORF:</b>	1295 bp
<b>Locus ID:</b>	74753
<b>Cytogenetics:</b>	4 B1
<b>Gene Summary:</b>	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]