

Product datasheet for **MG205976**

2410091C18Rik (BC108350) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2410091C18Rik (BC108350) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2410091C18Rik
Synonyms:	2410091C18Rik; AL033374; PRO1853
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205976 representing BC108350 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGCTTTGGTGAGACGCTGCGTGGCCCGCGGGCCTTCCCTGTATTTGGAGAGGAAATGCTACA
GCTCCGGGAATGAGCCGGCAGAAAGCAACCAGGTGACACCGATGCTGCGGCATCTTATGTACAAAATAAA
GTCTACAGGTCCCATCACTGTGGCCGAGTACATGAAGGAGTTTTGACTAACCCAGCCAAGGGATATTAT
GTGCATCAGGATATGCTAGGAGAAAAAGGAGACTTTATTACTTCACCTGAAATAAGCCAAATCTTCGGGG
AGCTACTAGGGGTGTGGTTTGTAGTGAATGGATAGCCTCTGAAAAAGCCAGCATTCCAGCTGGTGGA
ACTTGGCCCTGGTCGGGGCACCCCTCACAGCAGATATTTTGAGGGTGTTCAGTCAGCTGGGTCTGTGCTA
AAAACCTGTGCCATCTCAATACACCTTGTAGAGGTGAGCCAGAACTAAGTGAGATCCAAGCACTGACAC
TGGCTGAGGAGAAGGTCCCATTTGGAGAGAGACGCTGAATCCCTGGTGTACATGAAAGGTGTCAAAAGTC
TGGGATCCAATCTCCTGGTACCGAGACCTGAAGGATGTTCTGAAGGATACAGCTTGTACCTCGCCAT
GAGTTTTTTGATGTTCTCCTGTGCATAAATTTAGAAAAACCCACGCGGATGGAGAGAAGTGTGTTGTTG
ATGTTGATCCACAAGCTTCTGATAAACTGAGGTTGCTCTTGGCGCCTTGTGCGACCCCTGCAGAAGCCTT
CATTCAACGTGATGAAAGGAGGGAACATGTGGAAGTATGTCCCGATGCTGGGTTATCATCCAGGAAGT
TCCCAGCGCATTGCGTCAACTGGAGGTGCAGCCCTGATTGCGGATTACGGTCACGATGGCACAAGACAG
ACACCTTGAGAGGGTTTTATGGACACCAGCTTCACGATGTCTTAATCGCTCCTGGAACAGCAGACCTGAC
AGCTGATGTGGACTTCAGTTACCTGCACAGAATGGCACAAGGAAAAGTAGCCTCTCTGGTCCAGTGGAA
CAGCGAACATTTTTAAAAACATGGGCATTGATGTCGGCTGAAGGTAGTGGTTTATCTCAGTAACACTA
AACCTCTAATTTGGAATTATTTAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205976 representing BC108350
 Red=Cloning site Green=Tags(s)

MNALVRRRCVARAGLPCIWGKCYSSGNEPAESNQVTPMLRHLMYKIKSTGPITVAEYMKEVLTNPAKGYV
 VHQDMLGEKGFITSPEISQIFGELLGVWFVSEWIASGKSPAFQLVELGPGRGTLTADILRVFSQLGSLV
 KTCAISIHLEVSQKLSLSEIQALTLAEEKVPLERDAESLVYMKGVTKSGIPIISWYRDLKDVPEGYSLYLAH
 EFFDVLVPHKFKQKTPRGWREVFVDVDPQASDKLRFVLPATPAEAFIQRDERREHVEVCPDAGVLIQEL
 SQRIASTGGAALIADYGHGDKTDTLRGFYGHQLHDVLIAPGTADLTADVDFSYLHRMAQKQKVASLGPVE
 QRTFLKNMGIDVRLKVVVYLSNTKPLNFGNYLN

TRTRPLE - GFP Tag - V

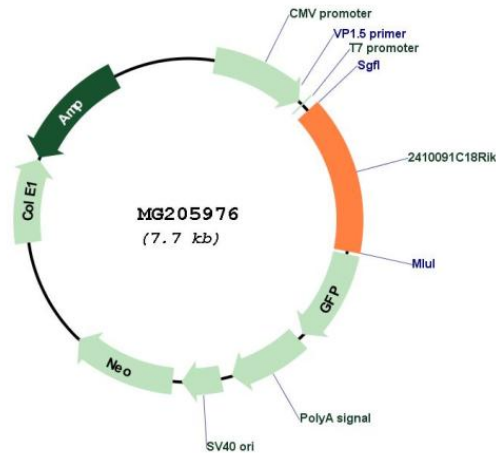
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC108350

ORF Size:	1151 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:	<ol style="list-style-type: none">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:	BC108350 , AAI08351
RefSeq Size:	2640 bp
RefSeq ORF:	1151 bp
Locus ID:	73694
Cytogenetics:	17 E3
Gene Summary:	Arginine methyltransferase involved in the assembly or stability of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I). Acts by mediating symmetric dimethylation of 'Arg-118' of NDUF52 after it assembles into the complex I, stabilizing the early intermediate complex.[UniProtKB/Swiss-Prot Function]