

Product datasheet for **MG214864**

Fam69c (NM_173770) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Fam69c
Synonyms:	B230399E16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214864 representing NM_173770
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGGCCGGGAGGTCAAGAACACGCTAGGCTTGGAGCTGCCAACAAACAGCATAGCCCCGCTATGGC
CTGCCAGGCAGGGCCCTGGCTGGCGGCAACAGCTGGCCAGTGCGTGGTCACTGCTCCAACAGGAGGAATA
CGTATACTTCAGCCTGCTTCCAGATCTGAGCCGCCACATCCTACCGGTGCTGGGATCCTGCGGTCACTTT
TATGCAGTGGAGTACTTGGCTGCTGGTAGCCCTCACCACAAGGCTCTCTCCCACTGGATGATGCTGGCC
AAGCACAGGCTATTAGCCACATTGCCCTCAGTTCTTGGACATGGTGAGCCATTTTCGACAGTGACTTTTC
CCACCGGCTCCACCTCTGTGATGTCAAACCTGAGAACTTCGCCATCAAGAGGGACTTTACGGTGGTAGCT
ATTGACGTAGACATGGCCTTTTTGAGCCTAAAATGAGGAAATCCTTGAGCAGAACTGCACGGGAGATG
AAGATTGCAATTTCTTCGATTGTTTCTCCAAGTGTGATCTCCGAGTGCACAAGTGTGGAGCCAGCGTGT
CAACAGCAACCTGCAAGTCATCTGTGATAAAAATATCCGACACTGGTTCTCCTCAACACACAGGAGCCCG
GCTGTCTCCCTCCAGCTTCGGCTGCAGCTACAGCAGGCCGTGCAGGAGTGTGCTCAGCACGGGGCTCCT
CGGGGAATTCCTGGACAGCCTCATCCAGTGTGTTCTGGAAGCTTCGATGGCTCTTGCAGGCCACTCTGAA
AGAACTGCAGGAGCGGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214864 representing NM_173770
 Red=Cloning site Green=Tags(s)

MVAGEVKNTLGLELPNNSIAPLWPARQGGPWRQQLASAWSLLQEEYVYFSLLPDLRSRHILPVLGSCGHF
 YAVEYLAAGSPHHKALFPLDDAGQAQAISHIALSFLDMVSHFSDFSHRLHLCDVKPENFAIKRDFTVVA
 IDVDMAFFPEPKMREILEQNCTGDEDCNFFDFCSKCDLRVHKCGAQRVNSNLQVICDKIFRHWFSSTHRSP
 AVSLQLRLQLQAVQECAQHGGSSGNSWTASSSVFWKLRWLLQATLKELQEAEK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173770

ORF Size: 792 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173770.5](#)

RefSeq Size: 2153 bp

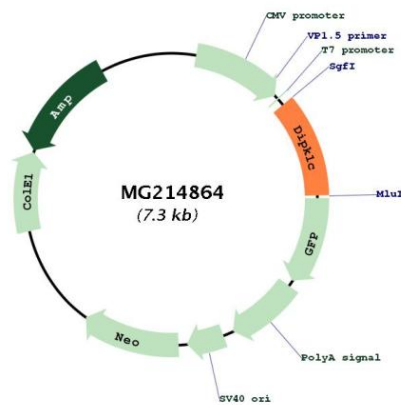
RefSeq ORF: 795 bp

Locus ID: 240479

UniProt ID: [Q8BQT2](#)

Cytogenetics: 18 E4

Product images:



Circular map for MG214864