

Product datasheet for **MG201680**

2810006K23Rik (BC046909) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2810006K23Rik (BC046909) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 2810006K23Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201680 representing BC046909
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTTCTAGGAGCACCTGGGCTCTGCTCCGCCTCCCTCTACCACTGATCAGGATATGCTCTGGGAAGT
 GGGGGCTCAGGCTTCAGGAGAAGCCAGCACTGCTCTCCAGGAATGGCTGCCAGCACAGTACAGGTGGC
 AGGCAGGAAGGACTACCTGTCTGCTCCCCCTGAATGAGAGTGAGCTCGAAGAACAGTTCGTGAAAGGA
 CATGGCCAGGGGGCCAGGCCACCAACAAGACCAGCAATTGTGTAGTGCTCAAACACGTGCCCTCCGGCA
 TTGTGGTCAAGTGCCACCAACAAGATCTGTGGATCAAACAGGAAGATAGCTCGGAAAGTCCCTCCAGGA
 GAAAGTGGATGTTTTCTACAATGGTGAAAACAGCCCGTTCAAAAGAGAAGCTCGAGGCTGAGAGGAGA
 AAGCGAGAGAGGAAGAAAAGAGCAAAGGAGACTCTAGAAAAGAAAAAATTATTGAAAGAATTACGGGAAG
 CAAGTCAAACATCACAGAGAAAAGGCTGATGCTGATGGTATACCAAGGGGCTCCAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201680 representing BC046909
 Red=Cloning site Green=Tags(s)

MSSRSTWALLRRLPLPLIRICSGKWGLRLQEKPALLPFGMAASTVQVAGRKDYPALLPLNESELEEQFVKG
 HGPGGQATNKTSNCVVLKHVPSGIVVKCHQTRSVDQNRKIARKVLQEKVDVFNGENSPVHKEKLEAERR
 KRERKKRAKETLEKKLLKELREASQNI TEKKADADGIPRGFQE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: BC046909

ORF Size: 554 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.

RefSeq: [BC046909](#), [AAH46909](#)

RefSeq Size: 1654 bp

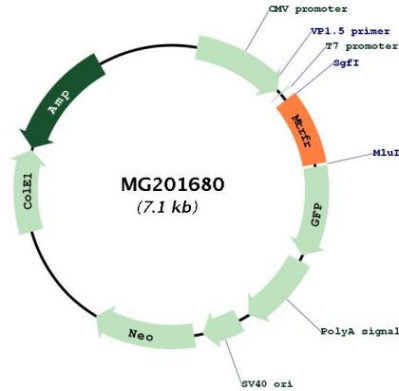
RefSeq ORF: 554 bp

Locus ID: 72650

Cytogenetics: 5 F

Gene Summary: May act as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion. May help rescuing stalled mitoribosomes during translation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201680