

Product datasheet for **MG207933**

4932442K08Rik (BC085163) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4932442K08Rik (BC085163) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	4932442K08Rik
Synonyms:	4932442K08Rik; AW049283; AW413338; CCPG; mKIAA1838; Pgcc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207933 representing BC085163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGTAAGAGGTTTGCAGGGGTTTGTGGGGAGTACGTGCCACACATATGTACCATAGTCAATATCC
 ACGAGCTGGCAGAGCGTACCGAAACAAGTACCCTGGATGTACGCCTACCATCGTGGTGGACGCCATGTG
 CTGTCTCCGATACTGGTACACAGCAGAGTCGTGGGTCTGCGGCGGCCAGTGGAGAGAATACTACTGTGCT
 TTGAGAAATTTTGTGCAGCCTTCACTCTGCCGGCATCAAGTTGATATTCTTTGATGGCATGGTGG
 AGCCGGGGAAGCGAGATGAGTGGGTAAGCGTAGACTCAAAAACAACCGGGAGATATCCAAGATTTTCA
 CTACATCAAGTCAAAAAGAGACCAGCCAGGCAGAAACATGTTCTTATTCCCTCTGGGCTGGCCATATTC
 ACACGGTTCGCCCTGAAGACTGGGCCAGGAGACTTTCTGTTTATTACAGGAGGCAGACTACGAGGTGG
 CTTCTTATGGCCTCCAGCACAACGTCTGGGGATCCTTGGGAAGACTGACTACTTAATTTATGACAC
 TTGCCCTACTTTCAATTGGCGATCTCTGCCTAGAGAGTCTCCAAACCATCATGCTCTGTGCGAGAGAAG
 CTCTGTGAGAGCCTGGGCTCCGTGTGGCAGACCTTCTCTTCTGGCCTGTCTGCTTGGCAATGACATCA
 CTCCAGAGAGCATGTTTGAAGCTTTCGGTACAAGTGCTTGTATCCTATGCTTCTGTGAAAGAGAAATGC
 TGGCAAAAAGGAAATATTATCCTAGCTGTCTCAGACTATATCTCCAAAGTTCTTCAATTTGTATCAAGGT
 GAGAAGAAGATAGAAGAGATGCTACCCTTGGGGCCAAACAAGCTCTCTTTATAAAGGAGTAACCTCAT
 ATCTTTTCCAGGGCAGAAATCTCCATGGTTAGTTCAAAAACCAAGGCATGATAACAGACAAACAGCA
 AATGGTGAGTTTAAATCCCGAATCCAAGCAAGAAGTCCCTATGTGTATTGATCCTGAATTAAGCAAGAA
 GTTCTGTGTGCACTAATCCCGAGTCCATGCAAGAAGTCCCATGTGCACAGACTCCGAATCCAAGCC
 AAGCTTCCATGTGCACAGATCCCGAATCCAAACAAGAAGTCCCATGTGCACAGACTCCGAATCCAAGCC
 AGAAGTTTCCCAATATACAAACCCAGAGAGCAAGCAAAAATTACCTTCAGGAATAGACACTGAATTTAAC
 CTAGAAGCACTCATGTGTACACACCCTGAATTTAAACAAGAAGATGTCATGGATATGGAACCTGAAATAA
 AGCAAGTAACCATGGTTTCCGAGTCTGAGATCTTAAAGGCAAGTACTGTGCCTCCCCACCTCGGTCCA
 CAATGTCGTGATTGAAAGCGTACCTACTAACGGGTTTGTGCGTGAAGAAGGACTGTAGGAGGATGCAGA
 CGAGAAACCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207933 representing BC085163
 Red=Cloning site Green=Tags(s)

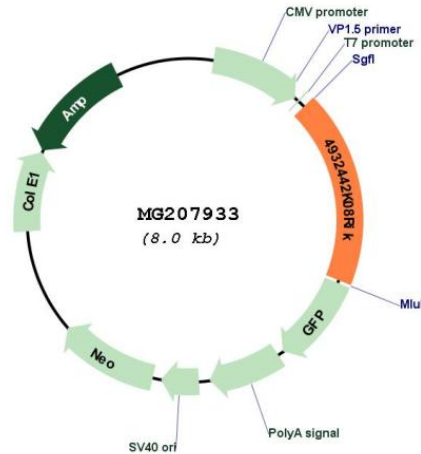
MGVRGLQGFVSTCPHICTIVNIHELAEHRNKYPGCTPTIVVDAMCCLRYWYTAESWVCGQWREYCA
 LRNFVAAFTSAGIKLIFFFDGMVEPGKRDEWVKRRLKNNREISKIFHYIKSKRDQPGRMFFIPSGLAIF
 TRFALKTLGQETFCSLQEADYEVASYGLQHNCLGILGEDTDYLIYDTCPYFSIGDLCLESQTIMLCREK
 LCESLGLRVADLPLLACLLGNDITPESMFESFRYKCLSSYASVKENAGKGNIIILAVSDYISKVLHLYQG
 EKKIEEMLPLGPNKALFYKGVTSYLLPGQKSPWL VQPKGMITDKQQMVSLNPESKQEVPMCIDPEFKQE
 VPVCTNPESMQEVPMDPEPNQEASMCTDPEKQEVPMCTDSESKPEVSQYTNPESKQKLP SGIDTEFN
 LEALMCTHPEFKQEDVMDMEPEIKQVTMVSESEILKASDCASPTSVHNVVIESVPTNGFDREKRTVGGCR
 RETS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: BC085163

ORF Size: 1484 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: [BC085163](#), [AAH85163](#)

RefSeq Size: 5805 bp

RefSeq ORF: 1484 bp

Locus ID: 67544

Cytogenetics: 17 A2

Gene Summary: Functions as a transactivator of PPARG and ESR1. Functions in adipogenesis through PPARG activation.[UniProtKB/Swiss-Prot Function]