

Product datasheet for **MG215467**

Psg18 (NM_011963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Psg18
Synonyms:	Cea-3; Cea3; mmCGM6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG215467 representing NM_011963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGTTGTCATCTGAACTTTTCAGCAACGGGTGTACCTCCTGGCAGAGGGTTCTCCTCACAGCCTCCC
 TCTTAACCTGCTGGCTCCTGCCACCACCTGCCAGAGTCACCATTGAATCTTTACCACCCCAAGTGTATGA
 AGGAGAAAAATGTTCTTCTACGTGTTGACAATATGCCAGAGAATCTTCTAGTGTTGGCTGGTACAGAGGA
 ATGACAAAATTTGTGGCAAGCAATTGCACAGCATTGGCTGTACTACTATAGTGTAAATGGTGAAGGGGCTGA
 ATCACAGCGGCAGAGAGATATTATACATCAACGGGTCCTGTGGATCCAAAATGTCACACAAGAGGACAC
 AGGATATTACACTTTTCAAACCATAAAGTAAACGAGGAGAAAATAGTATCAAATACATCCCTGTACTTGCAC
 GTGTACTCCTCTTTTTCATCTGTGTGCGTCTACTACCCTTATATCTCCGACTATTGAATAGTGCCAG
 CCAGCGTTGCTGCAGGGGAAGCATTCTTCTCCTTGTTCACAATATCCAAAGTATCTTCAATCGCTTTT
 CTGGTACAAAAGGGCTGATTGCATTTAAACAAGTTGAGATTGCTCGATACAGAACAGCCAAGAATTCAGGG
 GAACCTGGTCCGGCCACAGCGGTAGAGAGACAGTGTATAGCAATGGATCACTGCTGCTCCAGAATGTCA
 CCTGGAAGACACAGGATTCTACACCTACGAACTCTGACTCGATATCAGAAAATGGAATTCGCACACAT
 TTACCTTCAGTGGACACCTCCATTCCTTGTGCTGTGACACTCTCGACTCTGCCAACTCAGCATTGAT
 CCAGTGCCACGGCACGCTGCTGAGGGAGGAAGTGTCTTCTCCAGTCCATAATCTGCCAGAAGATGTGC
 AAACCTTTTCTGGTACAAAAGGTGTCTTAGTACTCAGGACTTTAAAATTGCAGAATATAGCATAGCAAC
 GAAGTCCATCATCAGAGCCGTGCACACAGCAGAAGAGAGATAGGGTACACCAACGGATCCCTGTGCTC
 CAGGATGCTCACTGAGAAAGACTCTGGCTTATACACACTAATAACAATAGACAGCAATGTGAGAGTTGTA
 CAGCACATGTCCAAGTCAACATCCATCAGCTTGTGACACAGCCTGCCATGAGAGTACAGATAGCACAGT
 TCGAGTACAGAGCTCAGTTGTCTTCACTTCTTCTCAGACAACACTGGGGTCTCCATCCGTTGGCTCTTC
 AACAAATCAGCGTCTTCACTCAGAGAGGATGACCCTGTCCCATCAAATGCCAACTCAGGATACATA
 CTGTGAGGAAGGAGGATGCTGGAGAGTATCAGTGTGAGGCCTTCAACCCAGTCAGCTCAAAGACCAGTCT
 CCCAGTCAGCCTGACTGTGATGAATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

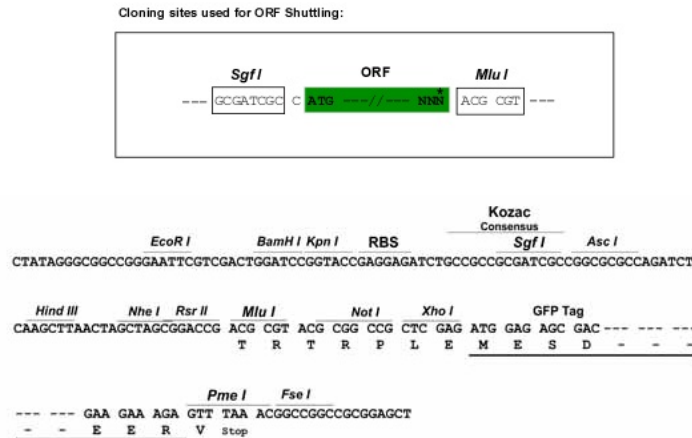
Protein Sequence: >MG215467 representing NM_011963
 Red=Cloning site Green=Tags(s)

MELSSSELFNSGCTSWQRVLLTASLLTCWLLPPTARVTIESLPPQVYEGENVLLRVDNMPENLLVFGWYRG
 MTNLWQAIHQHWLYYSVMVKGLNHSGREILYINGSLWIQNVTDQEDTGYTFQTISKRGEIVSNTSLYLH
 VYSSLFICVRPTTLISPTIELVPASVAAGGSILLLVHNIPKYLQSLFWYKGLIAFNKVEIARYRTAKNSG
 EPGPAHSGRETVYSNGSLLLNQVNTWKDTGFYTLRRLTRYQKMEFAHIYLVQVDTSHSLCCDTLDSAQLSID
 PVPRHAAEGGSVLLQVHNLPEVQTFVSWYKGVLSQDFKIAEYSIATKSIIRGRAHSRREIGYTNGLSLL
 QDVTEKDSGLYTLITIDSNVRVVAHVQVNIHQVLTQPAMRVTDSTVRVQSSVVFVTCFSDNTGVSIKRWLF
 NNQRLQLTERMTLSPSKCQLRIHTVRKEDAGEYQCEAFNPVSSKTSLPVSLTMVNE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011963

ORF Size: 1428 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).

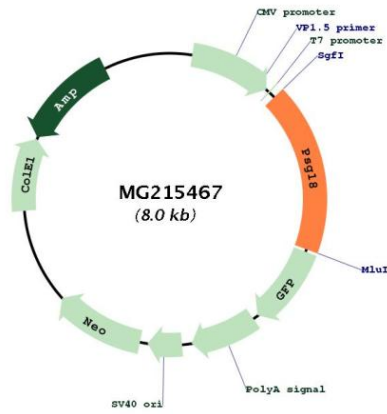
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_011963.2](#), [NP_036093.2](#)

RefSeq Size: 1657 bp
 RefSeq ORF: 1431 bp
 Locus ID: 26438
 Cytogenetics: 7 9.15 cM

Product images:



Circular map for MG215467