

Product datasheet for **MG215010**

Psg23 (NM_020261) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Psg23
Synonyms:	1620401C02Rik; ceal1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MG215010 representing NM_020261
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGGAGTGACCTCTGAACTTTTACCAATGTCCTTATCCCTTGGCAGAGGGTCTGTTCACAGCCTCCC
 TCTTGACCTGCTGGCTTCTGTCCACCACTGCTAGTGTACCATCCAGTACCACAACACGTAGTTGAAGG
 AGAGAATATCTTCTACAAGTTGACAATCTGCCAGAGAATCTTCTAGCTTTTGCCTGGTACAGAGGACTG
 ACAAATGGAGGCTCACAATGCTGTGATTTACTGGACTATAGCACAAGTATGACAGGGCCTGAGCACA
 GTGATAGAGAGATATTGTACAGCAACGGGTCCCTATGGATCCAAAATGTCACACAGGAGGACACAGGATA
 TTACACTCTTCAAACCATAAGTAACCATGGAGAAGTGAATCAAATACATCCACATTTCTTCAGGTCTAC
 TCGTCTCATTTCACCTGTGGGCGTCTTCCCTCCCTGCCAAGCTCACTATTGAATCAGTGCCGCCACGG
 TTGCTGAAGGAGGAAGCGTTCTTCTCCGTGTTCACAATCTTCCAGAGTATCTTCAATATTTTTTGGTA
 CAAAGGGGTGATTATGATTACAAGGTTGAGATTGTCGGTACAGAACACTCAAGAAATTAAGCGATCCA
 GGCCCTGCCACAGCGGTAGAGAGATAGTGTACAGCAATGGATCCCTGCTGCTCCAGAATGTCACCTGGA
 AAGACTGGATTCTACACCCTACAAACTGTGAATCGATATTGGAATAAGAACTAGCACACATTTACCT
 TCAGGTGGACACCCCGTGTGACCCCTTACTCTGCCAACTCAGGATCGATCCAGTACTCCGCAT
 GCTGCTGAAGGGGAAAGTGTCTTCCAGGTCCATAATCTACCAGAAGATCTGCAAACTTTTCTGCTGT
 ACAAGGGTGTGGATAGCACTCCATCCTTTCAAATTGTAGAATATAGCAAAGCAATGAAGTCCATCATCAG
 CGGCAGTGCATACAGCCGAAGAGAGATAGGGTACACTAATGGATCCCTGCTGCTCCAGGATGCTACTGAG
 AAAGACTCTGGCTGTACACTAGTAACAATAGACAGCAATAGAGAGTTGAAACAGTGCATGTTCAAG
 TCAACATCTACAAGCTTGTACACAGCCTGTCATGAGAGTCTCGGAACTACAGTTAGAGTACAGAGCTC
 AGTGGTCTTCACTTGTCTCAGACAACACTGGGGTCTCCATCCGTTGGCTCTTCAATAAGCAGAGTCTG
 CAGCTCACAGAGAGGATGAGCCTGTCCCGTCAAAGTGTCAACTCAGGATACATACTGTGAGGAAGGAGG
 ATGGTGGAGAGTATCAATGTGAGGCCTTCAACCAGCCAACCTAAGACCAGTCTCCAGTACGCTGGC
 CGTGATGAATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215010 representing NM_020261
 Red=Cloning site Green=Tags(s)

MGVTSELFNVLIPWQVLFASLLTCWLLSTTASVTIQSPQHVEGENILLQVDNLPENLLAFAWYRGL
 TNWRLTIAVYLLDYSTSMTGPEHSDREILYSNGSLWIQNVQEDTGYTYLQTI SNHGELESNTSTFLQVY
 SSHFTCGRPSFPAKLTI ESVPVPSVAEGGSVLLRVHNLPEYLQLFFWYKGVIMIHKVEIVRYRTLKNLSDP
 GPAHSGREIVYSNGSLLLQNVTKWDTGFYTLQTVNRYWKMELAHIYLVQVDTPCCDPLDSAQLRIDPVTPH
 AAEGESVLLQVHNLPEDLQTF SWYKGV DSTPSFQIVEYSKAMKSIISGSAYSRRREIGYTNGSLLLQDVTE
 KDSGLYTLVTIDSNMRVETVHVQVNIYKLVTPVMRVSETTVRVQSSVVF TCFSDNTGVSIRWLFNKQSL
 QLTERMSLSPSKQLRIHTVRKEDGGEYQCEAFNPANSKTS L PVS LAVMNE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_020261

ORF Size: 1413 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:

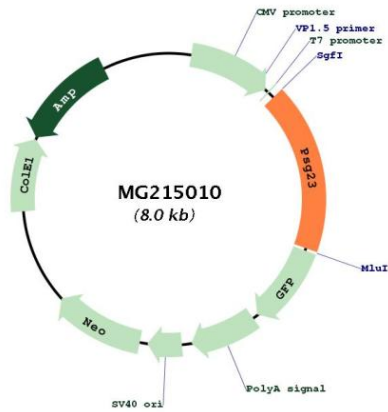
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_020261.4](#), [NP_064657.2](#)

RefSeq Size: 2179 bp
 RefSeq ORF: 1416 bp
 Locus ID: 56868
 Cytogenetics: 7 9.18 cM

Product images:



Circular map for MG215010