

Product datasheet for **MG203611**

Calb2 (NM_007586) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calb2 (NM_007586) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Calb2
Synonyms:	CR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203611 representing NM_007586 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGGCCCGCAGCAGCAGCCCTTACCTGCACCTGGCCGAGCTGACTGCATCCCAGTTCCTGGAAA
TCTGGAAGCACTTTGATGCTGACGAAATGGGTACATTGAAGGTAAGAGCTAGAGAAGTCTTCCAGGA
GCTGGAGAAGGCAAGGAAGGTTCTGGCATGATGTCCAAGAGCGACAATTTGGAGAGAAGATGAAGGAG
TTCATGCAGAAGTATGATAAGAAGTCTCAGATGGGAAAATTGAGATGGCGGAGCTGGCGCAGATCCTGCCGA
CCGAAGAGAATTCCTTTGTGCTTCAGGCAGCACGTGGGCTCCAGCGCTGAGTTTATGGAGGCTTGCCG
GAAGTATGACACAGACAGAAGTGGCTACATCGAAGCCAATGAGCTCAAGGATTCCCTGTCTGACCTCCTG
AAGAAGGCCAACAGGCCCTATGATGAACCTAAGCTCCAGGAGTACACCCAGACCATACTACGGATGTTTTG
ACTTAAATGGAGATGGCAAATTTGGTCTCTCAGAGATGTCTAGACTCTTGCCGTACAAGAGAAGTCTCT
GCTGAAATTTTCAGGGTATGAAGCTGACCTCAGAAGAGTTCAATGCCATCTTCACATTTTATGACAAGGAT
GGAAGCGGCTATATTGATGAGAAATGAAGTGGACGCCCTCCTGAAGGATCTGTATGAGAAGAACAAGAAGG
AGATGAACATCCAACAGCTCACCACTACAGGAAGAGTGCATGTCTTGGCCGAGGCAGGAAGCTCTA
CAGAAAGGACCTGGAGATTGTCTCTGCAGTGAGCCCCCGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203611 representing NM_007586
Red=Cloning site Green=Tags(s)

MAGPQQQPPYLHLAELTASQFLEIWKHFDADGNGYIEGKELENFFQELEKARKGSGMMSKSDNFGEKMKE
 FMQKYDKNSDGKIEMAELAQILPTEENFLLCFRQHVGSAAEFMEAWRKYDTRSGYIEANELKGFLLDLL
 KKANRPYDEPKLQEYQTILRMFDLNGDGKLGLEMSRLLPVQENFLLKFQGMKLTSEEFNAIFTFYDKD
 GSGYIDENELDALLKDLYEKKNKEMNIQQLTTYRKSVMSLAEAGKLYRKDLEIVLCSEPPV

TRTRPLE - GFP Tag - V

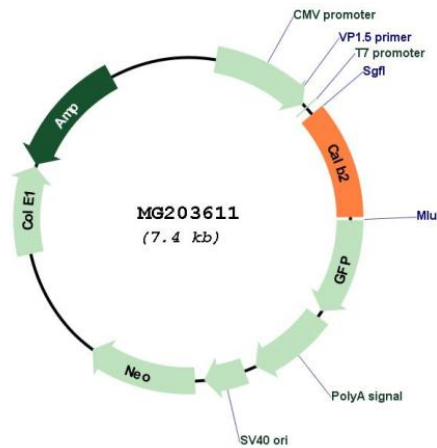
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007586

ORF Size: 813 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:	<ol style="list-style-type: none">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:	NM_007586.2
RefSeq Size:	1462 bp
RefSeq ORF:	816 bp
Locus ID:	12308
UniProt ID:	Q08331
Cytogenetics:	8 D3
Gene Summary:	Calretinin is a calcium-binding protein which is abundant in auditory neurons. [UniProtKB/Swiss-Prot Function]