

## Product datasheet for **MG203526**

### Cela1 (NM\_033612) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cela1 (NM_033612) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cela1
Synonyms:	1810009A17Rik; 1810062B19Rik; Ela-1; Ela1; PC-TsF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203526 representing NM_033612 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCGCTTCCTGGTGTGCTTCCCTGGTCTGTGTGGACACAGTACCGAGGACGTTCCGAAACTG  
ACGCCCGCTGGTTGGAGGGCTGAAGCCCGGAGGAACCTTGGCCGTCTCAGATTTCCCTCCAGTACCA  
GTATGGAGGATCATGGCACCACACCTGTGGAGGCACCCTATCCGAAGCAACTGGGTGATGACCGCTGCT  
CACTGTGTGGACAGCCCCATGACTTATCGAGTGGTTGTCGGAGAGCACAACCTGAGCCAGAATGACGGCA  
CCGAGCAGTATGTGAACGTGCAGAAGATTGTGTCACACCCTACTGGAACAAGAACAACGTGGTTGCAGG  
CTATGACATCGCCCTGCTGCGCTTGGCCAAGAGTGTACTCAATAACTATGTCCAGCTGGGTGTTCTG  
CCCCGGGAGGGAACCATCCTGGCTAACAACCTCTCCCTGCTACATCACAGGCTGGGGAAGAACCAGAACCA  
ATGGGGAGCTGGCCAGACCCTGCAGCAGGCATACCTGCCAGCGTGTCTATAGCATCTGCTCCAGCTC  
CTCTTACTGGGGCTCCTCTGTGAAGAATACCATGGTGTGCGCTGGTGGAGATGGAGTCCGCTCTGGATGC  
CAGGGTGATTCTGGGGGACCCCTCACTGCATGGTGAACGGTCAGTATGCTGTCCACGGAGTGACCAGCT  
TTGTGTCCAGCATGGGCTGTAATGTCGCCAGGAAGCCACCGTCTTACCAGAGTCTCTGCTTACATTTCT  
CTGGATGAATAATGTCATTGCCTCCAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203526 representing NM\_033612  
Red=Cloning site Green=Tags(s)

MLRFLVFASLVLCGHSTEDVPETDARVVGGAEARRNSWPSQISLQYQYGGSWHHTCGGTLIRSNWVMTAA  
 HCVDSPMTYRVVVGEHNLSONDGEQYVNVQKIVSHPHYWNKNNVVAGYDIALLRLAKSVTLNMYVQLGVL  
 PREGTILANNSPCYITGWRTRTNGELAQTLQQAYLPSVSYISICSSSSYWGSSVKNTMVCAGGDGVRSGC  
 QGDSGGPLHCMVNGQYAVHGVTSFVSSMGCNVARKPTVFTRVSAYISWMNNVIASN

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033612

**ORF Size:** 798 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:** [NM\\_033612.2](#)

**RefSeq Size:** 1100 bp

**RefSeq ORF:** 801 bp

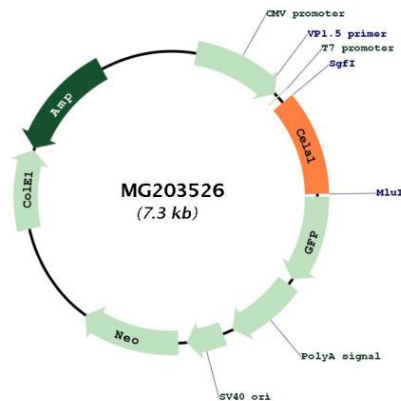
**Locus ID:** 109901

**UniProt ID:** [Q91X79](#)

**Cytogenetics:** 15 56.38 cM

**Gene Summary:** Acts upon elastin.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG203526