

## Product datasheet for **MG221008**

### Edil3 (NM\_010103) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Edil3 (NM_010103) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Edil3
Synonyms:	Del-1; Del1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG221008 representing NM\_010103  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCACTTGGTAGCAGCCTGGCTTTTGGTTGGACTCAGCCTCGGGGTGCCCCAGTTCGGCAAAGGTG  
 ACATTTGCAACCCGAACCCCTGTGAAAATGGTGGCATCTGTCTGTCAGGACTGGCTGATGATTCCTTTTC  
 CTGTGAGTGTCCAGAAGGCTTCGCAGGTCCGAAGTCTCTAGTGTGTGGAGTTGGTCCCTGCATCCCT  
 AACCCATGCCATAACGGAGGAACCTGTGAGATAAGCGAAGCCTATCGAGGAGACACATTCATAGGCTATG  
 TTTGTAATGTCTCGGGGATTTAATGGGATTCCTGTGTCAGCACAATAAATGAATGTGAAGCTGAGCC  
 TTGCAGAAATGGCGGAATATGTACCGACCTTGTGCTAACTACTCTTGTGAATGCCAGGAGAATTTATG  
 GGACGAAATGTCAATAAATGCTCTGGGCCATTGGGAATCGAAGGTGGGATCATATCTAATCAGCAA  
 TCACAGCTTCATCTACTACCGAGCTCTTTTGGACTCCAGAAGTGGTATCCCTACTATGCTCGACTTAA  
 TAAGAAGGGCCTATAAATGCCTGGACAGCTGCTGAAAATGACAGATGGCCATGGATTAGATAAATTTG  
 CAAAGAAAAATGAGAGTCACTGGTGTATTACCCAAGGAGCAAAAAGGATTGGAAGCCCAGAGTACATAA  
 AATCCTACAAAATTCCTACAGCAATGACGGGAAGACCTGGGCAATGTACAAAGTAAAAGGCACCAATGA  
 AGAGATGGTCTTTCGTGGAAATGTTGATAACAACACCATATGCTAATTCCTTTCACACCCCAATCAAA  
 GCTCAGTATGTAAGACTTACCCCAAAATTTGTGGAAGGCATTGTACTTTAAGAAATGGAACCTTCTGGCT  
 GTGAGCTCTCAGGCTGTTTCAAGACCTTTGGGGATGAAATCAGGGCATATACAAGACTACCAGTCACTGC  
 CTCCAGCGTCTTCAGAACTCAACATGGACATGTTTACTTGGGAACCAAGGAAAGCCAGGCTGGACAAG  
 CAAGGCAAAGTAAATGCCTGGACTTCCGGCCATAACGACCAGTCACAATGGTTACAGGTTGATCTTCTTG  
 TCCCTACTAAGGTGACAGGCATCATTACACAAGGAGCTAAAGATTTTGGTACGTGCACTTGTGGGCT  
 ATACAAACTAGCTTACAGCAATGATGGAGAACACTGGATGGTGCACCAGGATGAAAAACAGAGAAAAGAC  
 AAGGTTTTTCAAGCAATTTTGAATGACACTCACAGGAAAAATGTCATCGACCCTCCATCTATGCAC  
 GATTCATAAGAATCCTTCTTGGTCTGTGATGGAAGGATCACTCTCGGTGAGCTGCTGGGCTGCGC  
 AGAGGAGGAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG221008 representing NM\_010103  
 Red=Cloning site Green=Tags(s)

MKHLVAWLLVGLSLGVPQFGKGDICNPNCENGGICLSGLADDSFSCECPEGFAGPNCSSVVEVGPCIP  
 NPCHNGGTCEISEAYRGDTFIGYVCKCPRGFNGIHCQHNINECEAEPCRNNGICTDLVANYSCPCPEFM  
 GRNCQYKCSGPLGIEGGIISNQITASSTHRFLGLQKWYPYARLNKKGLINAWTAAENDRWPIQINL  
 QRKMRVTGVITQGAKRIGSPEYIKSYKIAYSNDGKTWAMYKVKGTNEEMVFRGNVDNNTPYANSFPPPIK  
 AQYVRLYPQICRRHCTLRMELLGCELSGCSEPLGMKSGHIQDYQITASSVFRTLNMDMFTWEPRKARLDK  
 QGKVNAWTSGHNDQSQWLQVDLLVPTKVTGIITQGAADFVGVQFVGSYKLAYSNDGEHWMVHQDEKQRKD  
 KVFQGNFNDNTHRKNVIDPPIYARFIRILPWSWYGRITLRSELLGCAEEE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_010103

**ORF Size:** 1410 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\\_010103.4](#), [NP\\_034233.1](#)

**RefSeq Size:** 5328 bp

**RefSeq ORF:** 1413 bp

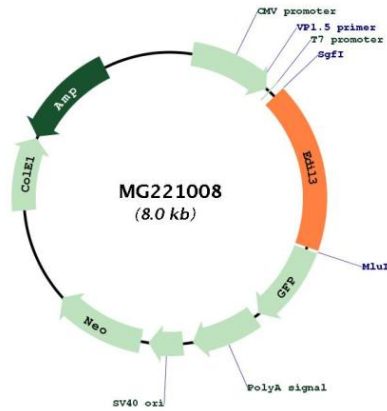
**Locus ID:** 13612

**UniProt ID:** [O35474](#)

Cytogenetics: 13 C3

Gene Summary: Promotes adhesion of endothelial cells through interaction with the alpha-v/beta-3 integrin receptor. Inhibits formation of vascular-like structures. May be involved in regulation of vascular morphogenesis of remodeling in embryonic development.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG221008