

## Product datasheet for **MG208053**

### Endod1 (NM\_028013) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Endod1 (NM_028013) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Endod1
Synonyms:	2210414F18Rik; 2310067E08Rik; C85344
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208053 representing NM\_028013  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTGTGCGCGCTGGCTGGCGCTGGCGCCCTCTGGCCCTGGCAGGGCTGTTGCAGGCCCGGCTGC  
 TGCTCCCGCAGCAAGCGGGCTTCGGCGAATGCGACCGTTTCTTCTACAAGGGGACCCACCCGCGGGCT  
 GCGACCGAAGCGCACGTGAGGATCTGTCAACGCTTCGCGGGCTCCGAGCGCTTCGCCACTCTGTACAGT  
 CCTGGCCACCGCATCCCCGTGTTCTCCGCGTTTCGCGCTGCGCGCCCGCGTCCCGCAGTGCCGAGCAGC  
 GCGGGCTGCTGGAGCCGAGATTGATGACCCTGACAGCAACCTCGAGGAGGTCAATTGACGAGGCCAACGC  
 TCTCACCTCAGTGGACAATCTGGGAAGCAAGCAAGCCTTGAATGCAGACTACATTGACTCTGACTATGAA  
 ATCGGACAGCTGTACCCATTTCTCTAACAGTGACCTCCAGATGGCCACATTCCCGCTCACAAATTCAG  
 TTCCAATGACCCAGTCTTCCGGGAACGATGGCACATGAATCTCAACAGCCTCATGGACCGAGCCTTGAT  
 CCCACACTGCAGTGAAGGCAAAGACCTGTATATCCTCACGGGGGCTGTTCCCTCAGAGCACAGAGTTAAG  
 GGCAAAGTGACTATCCCTGAATTCGCTGGCTGGCAGCTTGTGTGCAGTCCCTGGAGAAGGCTGGGCCA  
 TGGGCTTCATCAAGCACACCCAGGACATTGATGTCATAGAAGATGTGATGCTGAGAGACCTTGAGAAGCT  
 GCTTCTCATAAGCCTCAACTGTTCCAGGACAACCTGTGGTGTGAGATGGAGCAAGATACAGAGAAGATGAAG  
 AAGATTCTGGAAGTGGTCAACCAAGTCCAAGATGAGGAGCGGTCTCTGCAGTCTCAAGAGAGAATGAGTC  
 CCCTCGCCAGCACCAAGCCAGAGGTCTGCCCTGCTGTCCCAGAAGCACCCAGAGGGAGGGAGCAG  
 TTTTCTGGGACAAGTCTGGGTTTCTTGTCTACCCATTCAATTAAGCTTTTCCAGTTAATTTATTACCTT  
 GTTACAGCGGTCTTAAGGAATATAGTCCATCTCCTTTGGTTGGTTGCCAAGCAGGCAATAAACACTGTTG  
 AGAGTTGCCTATACCATCTAGGCGAAGCCACTGTCTCATACCTGTGGCATTGGACAAGAGCTGGTGAG  
 CATTCCCTGGAAAAGTGCTCAAGGTTGTGGCCAAAGTCATCCGGGCTTCCCTCCGGATCCTCTGCTGTCTG  
 CTGAAGGCTGTCTGCCGAGCTCTGAGCATCCCTCTCCGAGTCTTGTGGATGTAGCCACTTTCCTGTGT  
 ATACTGTGGGGCCATTCCCATTTGTGTGAAGGACATTGCTGTGGGCTGGGTGGCACCCCTCTCACTCCT  
 CTTTGACACTGCTTTTGGCACCGTAGGTGGCTTGTTCAGATTGTTTTAGTGTCTTCAAGCGGATTGGC  
 TACAAGGTTACTTTAGACAATCCGGGGAGTTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208053 representing NM\_028013  
 Red=Cloning site Green=Tags(s)

MGCARWLALGLLLAGLLQARLLLQQAGFGECDRFFYKGTTPPAGLATEAHVRIQRFAGSERFATLYS  
 PGHRIPVFSAFRAARPASRSAEQRGLLEPQIDDPDSNLEEVIDEANALTSVDNLGSKQALNADYIDSDYE  
 IGQLYFPFLNSDLQMATFPLTNSVPMTQSFRRERWHMNLNSLMDRALIPHCSEKDYIILTGAVPSEHRVK  
 GKVTIPEFVWLAACCAVPGEGWAMGF IKHTQDIDVIEDVMLRDLEKLLPHKPQLFDNCGEMEQDTEKMK  
 KILEVVNQVQDEERSLQSQERMSPLASTQSQRSALLSPEAPPEGSSFLGQVLGFLATPFIKLFQLIYYL  
 VTAVLRNIVHLLWLVAKQAINTVESCLYHLGEATVSYLVAIGQELVSIIPWKVLKVVAKVIRAFRLCCL  
 LKAVCRALSIPLRVLVDVATFPVYTVGAIPVCKDIAVGLGGTLLSLLFDATFGTVGGLFQIVFSVFKRIG  
 YKVTLDNSGEF

**TRTRPLE** - GFP Tag - V

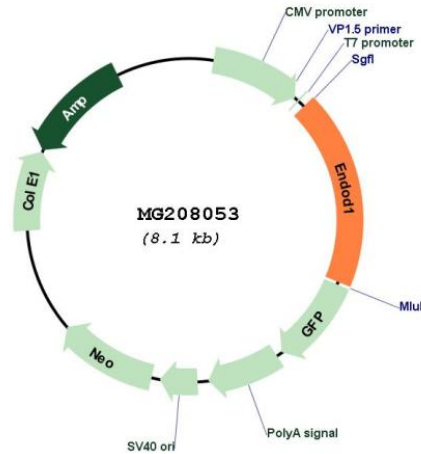
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_028013

**ORF Size:** 1503 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\\_028013.3](#)

**RefSeq Size:** 4206 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 71946

**UniProt ID:** [Q8C522](#)

**Cytogenetics:** 9 A1

**Gene Summary:** May act as a DNase and a RNase.[UniProtKB/Swiss-Prot Function]