

## Product datasheet for **MR208053**

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

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Endod1 (NM_028013) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                   |
| Symbol:                   | Endod1                                    |
| Synonyms:                 | 2210414F18Rik; 2310067E08Rik; C85344      |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>MR208053 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTGTGCGCGCTGGCTGGCGCTGGCGCCCTCTGGCCCTGGCAGGGCTGTTGCAGGCCCGGCTGC  
 TGCTCCCGCAGCAAGCGGGCTTCGGCGAATGCGACCGTTTCTTCTACAAGGGGACCCACCCGCGGGCT  
 GGCGACCGAAGCGCACGTGAGGATCTGTCAACGCTTCGCGGGCTCCGAGCGCTTCGCCACTCTGTACAGT  
 CCTGGCCACCGCATCCCCGTGTTCTCCGCGTTTCGCGCTGCGCGCCCGCGTCCCGCAGTGCCGAGCAGC  
 GCGGGCTGCTGGAGCCGAGATTGATGACCCTGACAGCAACCTCGAGGAGGTCAATTGACGAGGCCAACGC  
 TCTCACCTCAGTGGACAATCTGGGAAGCAAGCAAGCCTTGAATGCAGACTACATTGACTCTGACTATGAA  
 ATCGGACAGCTGTACCCATTTCTCTTAACAGTGACCTCCAGATGGCCACATTCCCGCTCACAAATTCAG  
 TTCCAATGACCCAGTCTTCCGGGAACGATGGCACATGAATCTCAACAGCCTCATGGACCGAGCCTTGAT  
 CCCACACTGCAGTGAAGGCAAAGACCTGTATATCCTCACGGGGGCTGTTCCCTCAGAGCACAGAGTTAAG  
 GGCAAAGTGACTATCCCTGAATTCGCTGGCTGGCAGCTTGCTGTGCAGTCCCTGGAGAAGGCTGGGCCA  
 TGGGCTTCATCAAGCACACCCAGGACATTGATGTCATAGAAGATGTGATGCTGAGAGACCTTGAGAAGCT  
 GCTTCTCATAAGCCTCAACTGTTCCAGGACAACCTGTGGTGAGATGGAGCAAGATACAGAGAAGATGAAG  
 AAGATTCTGGAAGTGGTCAACCAAGTCCAAGATGAGGAGCGGTCTCTGCAGTCTCAAGAGAGAATGAGTC  
 CCCTCGCCAGCACCAAGCCAGAGGTCTGCCCTGCTGTCCCAGAACCCACCCAGAGGGAGGGAGCAG  
 TTTTCTGGGACAAGTCTGGGTTTCTTGCTACCCATTCAATTAAGCTTTTCCAGTTAATTTATTACCTT  
 GTTACAGCGGTCTTAAGGAATATAGTCCATCTCCTTTGGTTGGTTGCCAAGCAGGCAATAAACACTGTTG  
 AGATTGCCATATACCATCTAGGCGAAGCCACTGTCTCATACCTCGTGGCCATTGGACAAGAGCTGGTGAG  
 CATTCCCTGGAAGTGCTCAAGGTTGTGGCCAAAGTCATCCGGGCTTCCCTCCGGATCCTCTGCTGTCTG  
 CTGAAGGCTGTCTGCCGAGCTCTGAGCATCCCTCTCCGAGTCTTGTGGATGTAGCCACTTTCCTGTGT  
 ATACTGTGGGGCCATTCCCATTTGTGTGAAGGACATTGCTGTGGGCTGGGTGGCACCCCTCTCACTCCT  
 CTTTGACACTGCTTTTGGCACCGTAGGTGGCTTGTTCAGATTGTTTTAGTGTCTTCAAGCGGATTGGC  
 TACAAGGTTACTTTAGACAATCCGGGGAGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208053 protein sequence  
 Red=Cloning site Green=Tags(s)

MGCARWLALGLLLAGLLQARLLLQQAGFGECDRFFYKGTTPAGLATEAHVRICQRFAGSERFATLYS  
 PGHRIPVFSAFRAARPASRSAEQRGLLEPQIDDPDSNLEEVIDEANALTSVDNLGSKQALNADYIDSDYE  
 IGQLYPFPPLNSDLQMATFPLTNSVPMTQSFRRERWHMNLNSLMDRALIPHCSEGKDLIILTGAVPSEHRVK  
 GKVTIPEFVWLAACCAVPGEGWAMGFIKHTQDIDVIDVMLRDLEKLLPHKPQLFQDNCGEMEQDTEKMK  
 KILEVVNQVQDEERSLQSQERMSPLASTQSQRSALLSPEAPPEGSSFLGQVLGFLATPFIKLFQLIYYL  
 VTAVLRNIVHLLWLVAKQAINTVESCLYHLGEATVSYLVAIGQELVSIIPWKVLKVVAKVIRAFRLILCCL  
 LKAVCRALSIPLRVLVDVATFPVYTVGAIPVCKDIAVGLGGTLLSLLFDTAFGTVGGFLFQIVFSVFKRIG  
 YKVTLDNSGEF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_028013

**ORF Size:** 1506 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:** 4470 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 71946

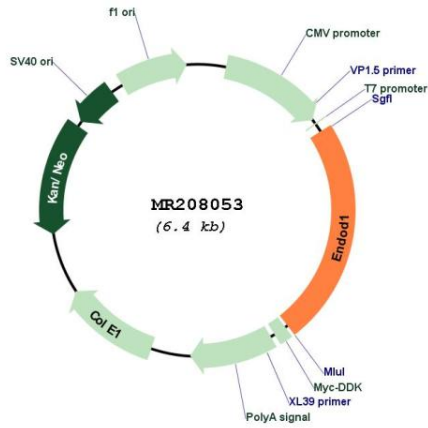
**UniProt ID:** [Q8C522](#)

**Cytogenetics:** 9 A1

**MW:** 55.3 kDa

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

**Product images:**



Circular map for MR208053