

## Product datasheet for MR202562

### Nat8f1 (NM\_023160) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nat8f1 (NM\_023160) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nat8f1  
**Synonyms:** 1110002I11Rik; A1266962; Cml1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR202562 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTTCCTATCACATCCGACAGTACCAGGACAGCGACCATAAAAGAGTCGTGGATGTGTTACCAAGG  
 GCATGGAGGAGTACATCCCTCTACCTTCGGCACATGCTTATGCTGCCCGAACCTCTGCTTACT  
 TGGGGTGCCCTTGCCCTGGTCTGGTGTCTGGCTCCTGGATCCTGGCTGTTATTTGCATCTTCTTCTG  
 CTCCTACTTCTGCGGCTCCTGCCAGACAGCCCTGGAAGGAATATGTGGCCAAATGTTTGCAGACAGACA  
 TGGTTGACATACCAAGTCTTACCTGAATGTACATGGCGCCTGCTTCTGGTGGCTGAGTCTGGGGGCA  
 GGTGGTGGGCATAGTGGCTGCTCAGCCAGTCAAGGATCCTCCACTAGGGAGGAAGCAGCTGCAGCTTTT  
 CGCCTGTCTGTCTCACAGCATCGAGGACAGGGGATAGCGAAAAGCGCTGACCAGAAGTCTCCTCCAGT  
 TTGCAAGGGACCAGAGTTACAGTGATGTTGTCCTTGAGACCAGCGCCTTGACGCAAGGTGCTGTGACTCT  
 CTACCTGGGCATGGGCTTCAAGAAGACAGGCCAGTACTTCATGAGTATATTCTGGAGGTTAGCAGGTATT  
 TGTACAATTCAATTAAGTACTCCTTCCCTTCTGCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202562 protein sequence  
Red=Cloning site Green=Tags(s)

MVPYHIRQYQSDHDKRVVDVFTKGMEEYIPSTFRHMLMLPRTL LLLLLGVPLALVLVSGSWILAVICIFFL  
 LLLLRLRLARQPWKEYVAKCLQTDMDITKSYLNVHGACFWVAESGGQVVGIVAAQPVKDPPLGRKQLQLF  
 RLSVSSQHRGQGIKALTRTVLQFARDQSYSDVVLETSALQQGAVTLYLGMGFKKTGYFMSIFWRLAGI  
 CTIQLKYSFPSA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_023160

**ORF Size:** 669 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\\_023160.2](#)

**RefSeq Size:** 1027 bp

**RefSeq ORF:** 699 bp

**Locus ID:** 66116

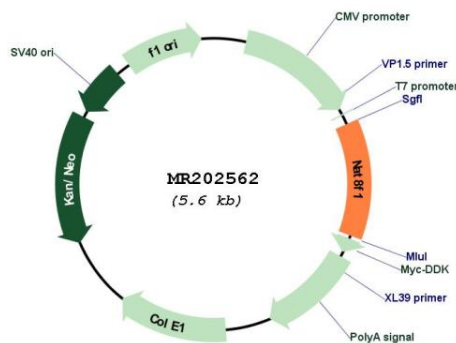
**UniProt ID:** [Q9JIZ0](#)

**Cytogenetics:** 6 C3

**MW:** 25 kDa

**Gene Summary:** May play a role in regulation of gastrulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202562