

## Product datasheet for MR223580

### Vmn1r174 (NM\_207548) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vmn1r174 (NM_207548) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vmn1r174
Synonyms:	V1rd22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223580 representing NM_207548 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGCTCTTAATAAAGCCCTGAAAACCACTGAGGAAGTGGCCCTTCAAATCATCTTGCTTTGCCAGG  
TTGGTATTGCAGCTGTGGCCAACATTCTTCTGCTTGCCATAATTTATCTCCTAACTTTGCTGGCCCTCA  
ACTGAGACAAAACATGTCATTCTTGGCCACATTACTGTGGCAATCTCTTGATTATCCTCCTCACTGGG  
TTTCCAAGCAATATGACAGTTTTTGTCCAAGGAATCCTCTAAATGACCTCAACTGTAAGCTTGAGTACT  
TCATTGCTGCTGGTGGCTCGAAGTGCAAACATGTGTACTACTTGTATCCTGAGCTTTACCAAGTTTATCGT  
TCTTGTTCCTGGTAAATGGAGTAGAGTGATACTCAGAGGAAATACCTCCACATTTGTGCACTATTCTTGT  
AATAGTTGTTGGATTATCAGTGTCTTAAATAATGTCTACATCCCTATAAAAATCAGTGGTCCATGGAACA  
CAGACAATAACACTGACCCGAACAGCAAGTGGGTATGTTCTAACTCTGGTTTCGAGTTAGTCATGGTCTT  
CTTACGATTTGTCCACGATGCCATATTCATCAGCATCATGGTATGGACCAGTGTTCATGATGCTTCTC  
TTGTATAGACATCACAAAGCCTGAAACACATTCACAGGTCCAATGGGAGCCTGGGACTTCAACCAGAGG  
CCAGAGCAGCAAACAAATTCTCATGCTGATGATCACATTTGTATGCTTTTATCTTCTCGATTGTATTTG  
TATTTTCTTTACATTTCTTTTGTGCATTTTCGTGTATGGTTGAGGCATGTCAGTGAATTTTGGCTGCA  
AGTTTCCCACCATTTCTCCCTTAATGTTGATCGTTAGGGGTCTAGAAAAATATCAGCCAAAGGGATAA  
ACACAGAAAATGCTTTTATTAACAGTCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223580 representing NM\_207548  
 Red=Cloning site Green=Tags(s)

MSALNKALKTTEEVALQIILLCQVGIAAVANILLVHNLSPNFAGPQLRPKHVILAHITVGNLLIILLTG  
 FPSNMTVFVPRNPLNDLNCKLEYFIRLVARSANMCTTCILSSYQFIVLVPKWSRVILRGNTSTFVHYSC  
 NSCWIISVLNNVYIPIKISGPWNTDNDPNSKWVCSNSGFELVMVFLRFVHDAIFISIMVWTSVSMMLL  
 LYRHHQSLKHIHRNSGLGLQPEARAANTILMLMITFVCFYLLDCICIFFHISFVHFRVWLRHVSEILAA  
 SFPTISPLMLIVRGPVKISAKGINTENAFINSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9086\\_f08.zip](https://cdn.origene.com/chromatograms/mm9086_f08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_207548

**ORF Size:** 939 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\\_207548.2](#), [NP\\_997431.2](#)

**RefSeq Size:** 942 bp

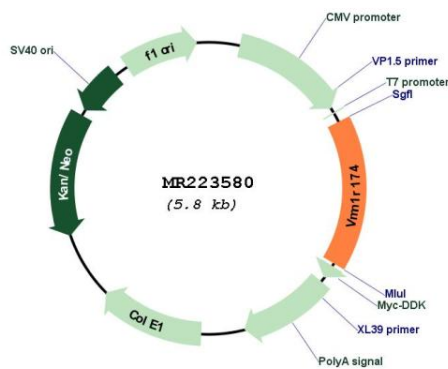
**RefSeq ORF:** 942 bp

**Locus ID:** 404291

**Cytogenetics:** 7 A3

**MW:** 35.2 kDa

**Product images:**



Circular map for MR223580