

## Product datasheet for MR224352

### Gpr26 (NM\_173410) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gpr26 (NM\_173410) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gpr26  
**Synonyms:** 9630036A11Rik; A730021D22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224352 representing NM\_173410  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCTCGTGGGACGCGGGCTGGCGGGCTGCTGGTGGGCACTATCGGCGTGTGCTGCTGTCCAACG  
GGCTGGTGTGCTCTGCCTCCTGCACAGCGCTGACATCCGCCGCCAGGCGCCGGCGCTCTTCACTCTCAA  
CCTCACGTGTGGCAACCTGCTGTGTACCGTGGTCAACATGCCACTAACTGGCCGGCGTGTGGCACA  
CGGCAGCCGGCCGGGACCGCTGTGCCGCTGGCCGCTTCTCGACACCTTTCTGGCCGCAACTCCA  
TGCTCAGCATGGCCGCGCTCAGCATCGACCGCTGGGTGGCTGTGGTCTTCCGCTGAGCTACCGTGCCAA  
GATGCGCCTCCGAGATGCCGCTTCATGGTGGCTACACGTGGCTGCACGCGCTCACCTCCCGGCCACC  
GCGCTCGCCTGTCTGGCTCGGCTTCCACCAGCTATATGCCTCGTGCACACTGTGCAGCCGGCGCCGG  
ACGAGCGCTGCGCTTGTCTTCCACAGCGCTTCCATGCGCTCAGCTTCTGCTCTCTTTCATCGT  
GCTCTGCTTACGTACCTCAAGGTGCTCAAGGTGGCCGCTTCCACTGCAAGCGCATCGACGTGATCACC  
ATGCAGACGCTTGTGCTGTTGGTGGACATACACCCAGTGTGAGGGAACGGTGTCTGGAGGAACAGAAGC  
GGAGGCGACAGCGTGCCACCAAGAAGATCAGCACCTTCATAGGGACCTTCCTTGTGTGCTTTGCACCCTA  
TGTGATTACCAGGCTGGTGAACCTTCTCCACAGCACCCATTGGCTCTCACTGGGAGTGCTGTCCAAG  
TGCTTGGCCTACAGCAAGCCGCTTCTGACCCCTCGTGTATTCTTGTGCGACACCAATACCGCAGGA  
GCTGCAAGGAGCTCCTGAACAGGATCTTCAACAGACGCTCCCTCACTCTGTGGGCTCACAGGTGACTC  
TCACAGCCAGAATCTGCCAGTGTGCGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224352 representing NM\_173410  
Red=Cloning site Green=Tags(s)

MNSWDAGLAGLLVGTIGVSLLSNGLVLLCLLHSADIRRQAPALFTLNLTCGNLLCTVVMPLTLAGVVAQ  
 RQPAGDRLCRLAAFLDTFLAANSMLSMAALSIDRWVAVVFPLSYRAKMLRDAAFMVAYTWLHALTFPAT  
 ALALS WLGFHQLYASCTLCSSRPDERLRFVFTSAFHALSFLLSFIVLCFTYLVKLVKVARFHCKRIDVIT  
 MQTLVLLVDIHPSVRRERCLLEEQRRRQRATKKISTFIFIGTFLVCFAPYVITRLVELFSTAPIGSHWGLSK  
 CLAYSKAASDPFVYSLLRHQYRRSCKELLNRIFNRRSLHSVGLTGDSHSQNILPVSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9020\\_c08.zip](https://cdn.origene.com/chromatograms/mm9020_c08.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\_173410

**ORF Size:** 1011 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\\_173410.3](#), [NP\\_775586.1](#)

**RefSeq Size:** 2799 bp

**RefSeq ORF:** 1014 bp

**Locus ID:** 233919

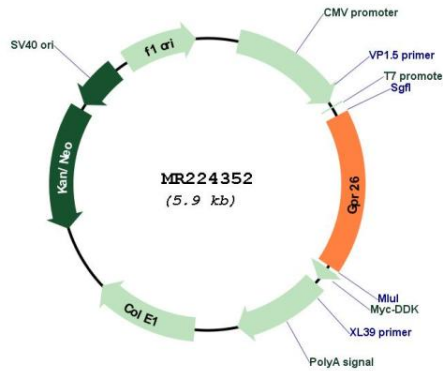
**UniProt ID:** [Q8BZA7](#)

**Cytogenetics:** 7 F3

**MW:** 38.2 kDa

**Gene Summary:** Orphan receptor. Displays a significant level of constitutive activity. Its effect is mediated by G(s)-alpha protein that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224352