

## Product datasheet for MR219664

### Gm4027 (NM\_001177564) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm4027 (NM_001177564) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm4027
Synonyms:	100042776
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219664 representing NM_001177564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGCCAAAGAATAAAGGCAAAGGAGGCCAAAACAGGCGCAGAGGTAAAAATGAAATGAATCTGAGAAAA  
GAGAGTTGGTGTAAAGAATATGGGCAAGAGTATGCTCAGGTGACCAAAATGCTGGGATGTGGATGGT  
GGAAGCAATGTGTTTGTGGTGAAGGAGGCTGTGCCACATAAGAGGAAAGTTGAGAAAAAGGTTTG  
ATAAATACCTCAGACATTATATTGATTGGTCTACGAGACTATCAAGATAACAGGGCTGATATAATCTTAA  
AGTACAATCTAGATGAAGCAAGAAGTCTGAAGGCCTATGGAGAACTCCAGAACATGCCAAAATCAATGA  
AATGGACACATTTGGTGCTGGGGATGATGAAGAAATCGTGTGATGATATTGGAGAGGATGATGAAGAC  
ATTGATGACATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR219664 representing NM_001177564 Red=Cloning site Green=Tags(s)
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MPKNKGKGGKNRRRGKNENESEKRELVFKEYGQEYAQVTKMLGCGWLEAMCFDGVRRLLCHIRGKLRKKVW  
INTSDIILIGLQDNRADIILKYNLDEARSLKAYGELPEHAKINEMDTFGAGDDEEIVFDDIGEDDED  
IDDI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/mm9056_h03.zip">https://cdn.origene.com/chromatograms/mm9056_h03.zip</a>
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177564

**ORF Size:** 432 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001177564.1](#), [NP\\_001171035.1](#)

**RefSeq Size:** 998 bp

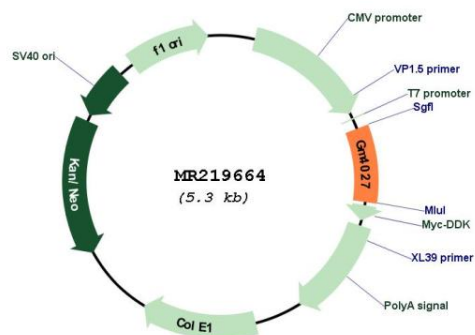
**RefSeq ORF:** 435 bp

Locus ID: 100042776

Cytogenetics: 12

MW: 16.6 kDa

## Product images:



Circular map for MR219664