

Product datasheet for **MR221237**

Mmp27 (NM_001030289) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mmp27 (NM_001030289) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mmp27
Synonyms:	Gm180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR221237 representing NM_001030289
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCATACAAACAGAAACAAGCTTTAACTGAAGAGACAGGAATGAAGTGCCTTCTGTCTCTGATGGTTA
 ATTTTATAACACTTTCCGCTGCATTTCCCTCCAGACAGGAAGGACAAAAATGAGGAGAACAACCAACTGGC
 CCAGGCATATCTCAACCGATTCTACTCTTTGAAATAGAAGGGAGTCATTTTGTCCAAAGCAAGAACAGG
 AGTCTCTTTGATGGAAAACCTTCGGGAAATGCAGGCATTTTTCGGATTGACAGTACTGGAAAACGGATT
 CAGACACACTTGCATCATGAAAGTGCCAGGTGTGGGTACCAGATGTGGGCAATATGGCTACACACT
 CCCTGGTGGAGAAAATACAGCCTTACATACAGAATAATGAACTATACTCTGATATGACACCAGCTGAT
 GTGGATGAGGCTATTAGAAAGCTCTACAAGTTTGAGCAAGGTCCTCCACTGACGTTTACCAGGATAT
 CCAAGGGGTTGCAGATAAATGATAGCATTGAGGACAGGAGGTAAAGCTTGCAGTGAGGGGAGTGACTT
 CTTGAGGATCACAGGGAGCTGACCTATCTCCCATCAACTGTCTTTCAGTCCATGGCTGGTGCCTCGT
 CACTTTGATGGTCTCTGGGAGTCTTGGCCATGCCTTTCCTCCTGGTCTGGGTCTAGGTGGTGACACTC
 ACTTTGACGAAGATGAAACATGGATAGCCAAGGATGGGGAAGGGTTCAACTTGTTTCTTGTGGCTGCTCA
 TGAATTTGGTCACTCTCTGGGCTGTCCCACTCCAATGATCAAACAGCCTTGATGTTCCCAATTACATC
 TCCTGGATCCTAGCAAAATCCCACTTTCTCAGGATGATATTGATGGGATCCAGTCCATCTATGGAAGTC
 CACCTAAGGTAACCACCAAGCAAGTGGAAATTCGAACCCACGCCTGTGACCCACCTTGACTTTTGA
 TGCTATCACTACTTTCCGAGGGAAGTTATGTTCTTTAAAGGCAGGCCTTATGGAGGCTACTCTGAT
 ATTGCTGGTCTGAGTTGAGTTTATTGATTCCTTCTGCCATCTCTGCCAGTCTTCAAGCTGCCT
 ATGAAAGCCCCAGAGATGAGCTCTTGTCTTTAAAGATGAGAATTTCTGGGTCTGAGGGGATATTCTGT
 CTGCCCCGTTACCCCAATCCATCCACACACTGGGATTTCCAAGACGTGTGAAGAAAATTGATGCAGCC
 GTCTGTGATCATGATACAAGAAAAACCTCTTTTTTGTGGCATCTGGTCTGGAGGTATGATGAGATGG
 CACAAGCAATGGACAGAGGATCCACAGAGGATAATAAAGTGCTTCCAGGAATTCGCCTCCGTGTGGA
 TGCTGTCTTCCAACATAATGGATTCTCTATTTCTCCATGGGTGAGGCAATTTGAATATGACATGAAG
 GCGAAAAATACCCCAAGTATCAAACCAATTCTGGTTCCTGTGTAACGAACCATTAACGCATCAT
 TCAATGTCAGTGTCAAAGGAAAAGCAAATTCATTGGCACAGTATTACATCATAAAAGGTTAAGCTT
 GCTCACTTCAGTATTGTTGATGCTGACAAAAACATACAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR221237 representing NM_001030289
 Red=Cloning site Green=Tags(s)

MPYKQKQALTEETGMKCLLSLMVNFITLSAAPPDRKDKNEENQLAQAYLNQFYSLIEGSHFVQSKNR
 SLFDGKLREMQAFFGLTVTGKLDSDTLAIMKVPRCGVPDVQYGYTLPGWRKYSLYRIMNYTPDMTPAD
 VDEAIQKALQVWSKVTPLETRISKGVADIMIAFRTGGKACSEGSDFEDHRELTYPINCLSVHWGCP
 HFDGPLGVLGHAFPPGLGLGGDTHFDEDETWIAKDGEGFNLFVAAHEFGHSLGLSHSNDQTALMFPNYI
 SLDPKYPLSQDDIDGIQSIYGSPPKVTTKPSGNSEPHACDPTLTFDAITFRREVMFFKGRHLWRVYSD
 IAGAEFEFIDSFWPSLPADLQAAYESPRDELLVFKDENFWIRGYSVLPGYPKSIHTLGFPRRVKIDAA
 VCDHDKRTFFFVGIWCWRYDEMAQAMDRGFPQRIKCFPGIRLRVDAVFQHNGLFYFFHGSRQFEYDMK
 AKNITQVIKTNWFLCNEPLNASFNVSVKGKANSIGTVILHHKRLSLLTFSIVHVLTKTYN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9044_c06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001030289

ORF Size: 1653 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_001030289.1](#), [NP_001025460.1](#)

RefSeq Size: 1656 bp

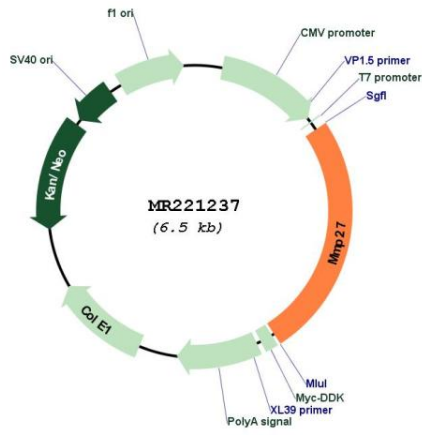
RefSeq ORF: 1656 bp

Locus ID: 234911

Cytogenetics: 9 A1

MW: 63 kDa

Product images:



Circular map for MR221237