

Product datasheet for MR216739

Gpr19 (NM_001167694) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr19 (NM_001167694) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216739 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATAACGACCAGCCGCCTGTGGTACTGCCACCCTGCTGGTGGCCCTTCAGAACAGCAGCTGCGCGG
AAGCAGCTGAGGCCCTGCTGCCCATGGCTGATGGGATTGCATGAGGAGCACAGCTGGATGAGCAACAG
GACAGAGCTTCAGTACGAGCTGAACCTGGAGAGGTGGCCACCGCCAGCATCTTCTTTGGCGCTTTGTGG
TTGTTCTCCATCTTTGGCAATCCCTGGTATGTCTGGTCATCCACCGAGCCGGAGGACTCAGTCCACCA
CCAACTACTTCGTGGTGTCCATGGCGTGTGCTGACCTTCTCATCAGCGTGGCCAGCAGCCGTTTGTGCGT
GCTGCAGTTCACCACCGGAGGTGGACCTGGGTAGCGCCATGTGCAAGGTGGTCCGCTACTTCCAGTAC
CTCACCCCGGCGTGCAGATCTACGTGCTGCTCTCCATCTGCATCGACCGCTTCTATACCATCGTCTACC
CGCTGAGCTTCAAGGTGTCCCGAGAGAAGGCCAAGAAAATGATTGCAGCCTCCTGGATCTTGGACGCGGC
CTTCGTGACGCCTGTCTTCTTTTCTACGGCTCTAACTGGGATAGTCACTGTAACACTTCTCCTCCCTCCC
TCCTGGGAGGGAAGTGCCTATACCGTCATCCACTTCTTGGTGGGCTTCGTGATCCCTCCATCCTCATAA
TCCTGTTTTACCAGAAGTGCATAAAGTATATCTGGAGAATAGGCACGGACGGCGGACGCTGAGAAGGAC
GATGAACATTGTCCCAGGACAAAGGTGAAAACGGTCAAGATGTTCTGCTCTTGAACCTAGTGTTCCTG
TTCTCCTGGCTACCTTTCATGTGGCTCAGCTCTGGCATCCCCATGAGCAAGACTACAAGAAGAGCTCCC
TTGCTTTCACGGCAGTCAGTGGTATCTTTCAGCTCTTCAGCCTCGAAACCCACTCTGTACTCTATTTA
TAATGCCAATTTTCGGAGAGGGATGAAAGAGACATTCTGCATGTCCTCGATGAAATGCTACCGCAGCAAT
GCCTACACCATCAGACCAGCTCACGGATGGCCAAAAGAACTATGTGGGCATTTTCGAAAATCCCTCCC
TGAGCAGGACCATAACCAAAGACTCCATCTATGACTCATTTGACCGGGAGGCCAGGGAGAAGAAGCTCGC
CTGGCCATCAACTCAAACCTCCAAACACTTTTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216739 protein sequence
Red=Cloning site Green=Tags(s)

MDNDQPPVVTATLLVPLQNSSCAEAAEALLPHGLMGLHEEHSWMSNRTELQYELNPGEVATASIFFGALW
 LFSIFGNLSVCLVIHRSRRTQSTTNYFVVSMACADLLISVASTPFVVLQFTTGRWTLGSAMCKVRYFYQY
 LTPGVQIYVLLSICIDRFYTIIVPLSFKVSREKAKKMIAASWILDAAFVTPVFFFYGSNWDSHCNVFLPP
 SWEGTAYTVIHFLVGFVIPSILIIILFYQKVIKIYIWRIGTDGRTLRRMTNIVPRTKVKTVMFLLNLVFL
 FSWLPPFHVAQLWHPHEQDYKSSLVFTAVTWVSFSSSASKPTLYSIYNANFRRGMKETFCSMMKCYRSN
 AYTITSSRMAKRNYVGISEIPPVSRTITKDSIYDSFDREAREKKLAWPINSNPPNTFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001167694

ORF Size: 1230 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 Size: 1693 bp

RefSeq ORF: 1248 bp

Locus ID: 14760

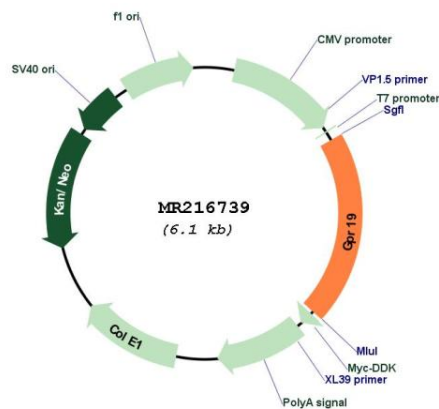
UniProt ID: [Q61121](#)

Cytogenetics: 6 G1

MW: 46.8 kDa

Gene Summary: Orphan receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216739