

Product datasheet for **MR218378**

Gp5 (NM_008148) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gp5 (NM_008148) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gp5
Synonyms:	GPV
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR218378 representing NM_008148
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTAAGAAGCGCCCTGCTGTCCGCGGTGCTCGCACTTTGCGTGCCCAACCTTTCCCTGCCCAAAA
 CCTGCAAGTGTGTGGTCCGCGATGCCGCGCAGTGTCTGGGCGGCAGCGTGGCTCACATCGCTGAGCTAGG
 TCTGCCTACGAACCTCACACATCCTGCTCTTCCGAATGGACCAGGCATATTGCGGAACCACAGCTTC
 AGCGGCATGACAGTCCTCAGCGCCTGATGCTCTCAGATAGCCACATTTCCGCCATCGACCCCGGCACCT
 TCAATGACCTGGTAAACTGAAAACCTCAGGTTGACGCGCAACAAAATCTCTGCTTCCACGTGCGAT
 CCTGGATAAGATGGTACTCTTGGAACAGCTGTTCTTGGACCACAATGCACTAAGGGACCTTGATCAAAAAC
 CTGTTTCAGCAACTGCGTAACCTTCAGGAGCTCGGTTTGAACCAGAATCAGCTCTCTTTTCTTCTGCTA
 ACCTTTTCTCGAGCCTGAGAGAAGTGAAGTTGTTGGATTATCGCGAAACACCTGACCCACCTGCCCAA
 GGGACTGCTTGGGGCTCAAGTTAAGCTTGAGAACTGCTGCTCTATTCAAACAGCTCACGTCTGTGGAT
 TCGGGGCTGCTGAGCAACTGGGCGCCCTGACTGAGCTGCGGCTGGAGCGGAATCACCTCCGCTCCGTAG
 CCCCAGGTGCCTTCGACCGCCTCGAAACCTGAGCTCCTTGACTCTATCCGAAACCTCCTGGAGTCTCT
 GCCGCCGCGCTTCTCTCACGTGAGCAGCGTGTCTCGGCTGACTCTGTTTCGAGAACCCCTGGAGGAG
 CTCCCGGACGTGTTGTTTCGGGAGATGGCCGGCCTGCGGGAGCTGTGGCTGAACGGCACCCACCTGAGCA
 CGCTGCCCGCGCTGCCTTCGCAACCTGAGCGGCTTGCAGACGCTGGGGCTGACGCGGAACCCGCGCT
 GAGCGCGCTCCCGCGGGCGTGTCCAGGGCTACGGGAGCTGCGCGTCTCGCGCTGCACCAACGCC
 CTGGCGGAGCTGCGGGACGACGCGCTGCGCGCCTCGGGCACCTGCGCCAGGTGTGCTGCGCCACAAC
 GGCTGCGGGCCCTGCCCGCACGCTCTTCCGCAACCTCAGCACCTCGAGAGCTGAGAGCTGAGAGCACA
 CCAGCTGGAGACGCTGCCAGGAGACGTGTTTCGCGGCTCTGCCCCAGCTGACCCAGGTCTGCTGGGTAC
 AACCCCTGGCTCTGCGACTGTGGCTGTGGCCTTCTCCAGTGGCTGCGGCATACCCGGACATCCTGG
 GCCGAGACGAGCCCCGAGTGCCTGGCCCGGAGCCACGCGCCAGCCTGTGTTCTGGGAGCTGTGCA
 GGGTGACCCGTGGTGCCCGATCCTCGCAGCCTGCCTCTCGACCTCCAACCGAAAATGCTCTGGAAGCC
 CCGGTTCCGTCTGGCTGCCTAACAGCTGGCAGTCCCAGACGTGGGCCAGCTGGTGCCAGGGGTGAAA
 GTCCCAATAACAGGCTCTACTGGGTCTTTATATTCTGCTTCTAGTAGCCAGGCCATCATAGCCGCGTT
 CATCGTGTGGCATGATAAAATCGGCCAGCTGTTTCGAACATTAATCAGAGAGAAGCTCTGTTAGAG
 GCAATGGGAAAATCGTGAAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218378 representing NM_008148
 Red=Cloning site Green=Tags(s)

MLRSALLSAVLALLRAQPFPCPKTKCVVRDAAQCSSGVAHIAELGLPTNLTHILLFRMDQGILRNHSF
 SGM TVLQRLMLSDSHISAIDPGTFNDLVK LKTLRLTRNKISRLPRAILDKMV LLEQLFLDHNALRDLDQN
 LFQQLRNLQELGLNQQLSFLPANL FSSLRELKLLDL SRNNLTHLPKGLLGAQVKLEKLLLSNQLTSVD
 SGLLSNLGALTELRLERNHLRSVAPGAFDRLGNLSSLT LSGNLLES LPPALFLHVSSVSR LTLFENPLEE
 LPDVLFGEMAGLRELWLNTHLSTLPAAAFRNLSGLQTLGLTRNPRLSALPRGVFQGLRELRLVALHTNA
 LAELRDDALRGLGHLRQVSLRHNRLRALPRTLFRNLSLESVQLEHNQLETLPGDVFAALPQLTQVLLGH
 NPWLCDCGLWPFLQWLRHHPDILGRDEPPQCRGPEPRASLSFWELLQGDWPDPRLPLDPPTENALEA
 PVP SWLPNSWQSQTWAQLVARGESPNNRLYWGLYILLLVAQAI IAAFIVFAMIKIGQLFRTLIREKLLLE
 AMGKSCN

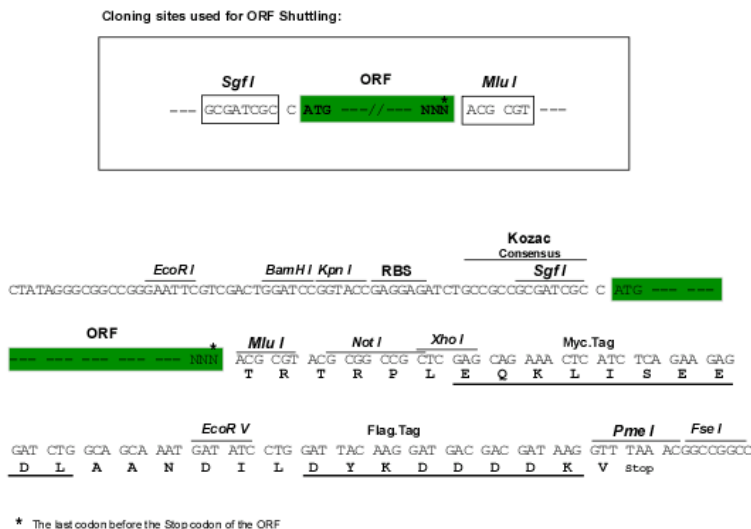
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_b04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_008148

ORF Size: 1701 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_008148.4](#), [NP_032174.2](#)
RefSeq Size: 2189 bp

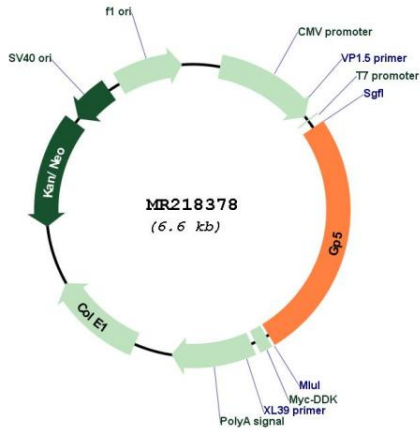
RefSeq ORF: 1704 bp

Locus ID: 14729

Cytogenetics: 16 B2

MW: 63.8 kDa

Product images:



Circular map for MR218378