

## Product datasheet for **MR219920**

### **Gpr135 (NM\_181752) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gpr135 (NM_181752) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gpr135
Synonyms:	PAFR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR219920 representing NM\_181752  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGAGCAGGCGCGCCGCTGGCCGCCCGCCGAGTGCAACCTTGCAGGGTAGCGCGCATCCGG  
 GAGGGGCGGCTTCCACGGCCACTGCAGCCGCGCTGTCGTTTCAGCTCCGTAGCCACGGTAACGCTGGGAAA  
 CCAAAGCGATGCGGGCAGGCCGGAGGCAGCGGGGTCTCGGGGACCCGACCGCTGCTATGGCAGGGGCA  
 GCGGTGGCCGCCAGGCGCTCGTCTCTGCTCATCTTCTTGTGTCTAGCCTGGGCAACTGCGCGGTGA  
 TGGGGGTGATCGTGAAGCATCGGCAGCTGCGCACGGTCACAAACGCCTTCATCTGTGCTGTCCCTGTC  
 GGACCTGCTCACTGCGTGTCTGCCTACCCGCCCTTCTCGATCTATTGCGGCTCCCGGAGACTCT  
 GGGCCCTGGCGAGCTTTCGCGCAGCCAGCCGCTTCTTTCAGTTGCTGTTTCGGAATCGTATCCACGTTCA  
 GCGTGGCGCTCATCTCGCTGGACCGCTACTGCGCCATCGTGGCCGCCCGGGACAAGCTGGGCCGGCG  
 GCGCGCTGCAGCTGCTGGCAGGAGCGTGGTTGGCTGCGCTGGGCTTCTCCCTGCCCTGGGACCTGCTC  
 AGGGCACCCCGGAGCCCCCGCTCCGCAGAGCTTCCACCGCTGCCTTTACAGAACCTCCCAGACCCTG  
 CGCAGCTGGGCGTGCCTACAGCGTGGGACTGGTGGTGGCTTGTACTTGTGCCCTTCTACTGATGTG  
 TTTCTGCCCTACCACATCTGCAAGACCGTGCCTGTGCGGAGTGCCTGCGCGGATGACCACTTAC  
 GCGCGCTGCTGCGCTTCTCAGCGAGGTGCGCACAGCCACCACCGTGTGCTCATGATTATCTTTGTCA  
 TGTGCTGCTGGGGTCCCTACTGCTTCTGGTGTGCTGGCCGCGACCCGGCAGGGTACAGCCACGACGGC  
 TCCCTCGCTGCTCAATGTGGCGGCTGTTGGCTGACCTGGGCCAATGGGGCTATCAACCCGGTATATAT  
 GCCATCCGCAACCCCAACATTTCCATGCTCCTAGGACGCAACCCGGAAGAAGGTTACAGGACTAGAAACA  
 TGGATGCTTTTTTGCCTAGCCAAGGCTAGGTTTCAAGCCAGAAGTCGCAATCGCCTTCGAAATGGCTG  
 TGCCAACAGGCTTGGGGCTTGCAGCAGGATGCCTTCTTCCAACCCAGCTAGTGGGTGAGGAGGGGAAGTG  
 GTCATGTGGGCTCGAAAAATCCAGTTGTGCTTCTTCCGAGAGGGTCCACCGACTCAGTTATGGAAG  
 TCGGCAAACTGCATAATTCTGAAACCAGGGACAGCAGCATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219920 representing NM\_181752  
 Red=Cloning site Green=Tags(s)

MEEQARPPGRPAASATLQGSAPGGAATAAALSFSSVATVTLGNQSDAGRPEAAGSRGPAPLLWHGA  
 AVAAQALVLLIFLLSSLGNCAVMGVIKHRQLRTVTNAFILSLSDLTALLCLPAFLDLFAPPGDS  
 GPWRSFCAASRFFSSCFGIVSTFSVALISLDRYCAIVRPPRDKLGRRRALQLLAGAWLAALGFLPWDL  
 RAPREPPAPQSFHRCLYRTSPDPAQLGVAYSVGLVVACYLLPFLLMCFCRYHICKTVRLSDVRVRPMTTY  
 ARVLRFFSEVRTATTVLIMIIFVMCCWGPYCFLLAATRQGQATQAPSLLNVAAVWLTWANGAINPVIY  
 AIRNPNISMLLGRNREEGYRTRNMDAFLPSQGLGFQARSRNRLRNGCANRLGACSRMPSSNPASGSGGEV  
 VMWARKNPVLLFFREGPPDSVMEVGKLNHSETRDSII

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9017\\_d08.zip](https://cdn.origene.com/chromatograms/mm9017_d08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_181752

**ORF Size:** 1371 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\\_181752.2](#)

**RefSeq Size:** 1374 bp

**RefSeq ORF:** 1374 bp

**Locus ID:** 238252

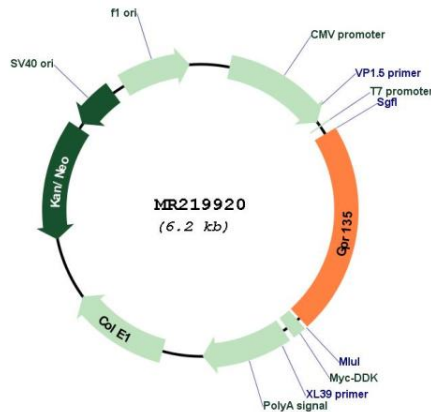
**UniProt ID:** [Q7TQP2](#)

**Cytogenetics:** 12 C3

**MW:** 49.8 kDa

**Gene Summary:** Orphan receptor. Has spontaneous activity for beta-arrestin recruitment (By similarity). Shows a reciprocal regulatory interaction with the melatonin receptor MTNR1B most likely through receptor heteromerization (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219920