

## Product datasheet for **MG219915**

### Gpr20 (NM\_173365) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gpr20 (NM_173365) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gpr20
Synonyms:	A430106B11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219915 representing NM_173365 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCTCTCGTTGTCTATGAGGCCCTGGGATGCTGCACTCCCCAACACCACTGCAGCAGCATGGACCA  
ATGGAAGTGTGCCGAGATGCCCTGTTCCATCACTTTGCCCGGCTGGATGAGGAACTGCAAGCCACCTT  
CCCCAGCCTGTGGCAAGCACTAATGGTCGTGCACGGCACCATCTCCTTGCCGGGCTGGTCTCAACGGA  
CTGGCACTGTATGCTTCTGCTGTGCACGCGGGCCAAGACCCCTTCAGTCACCTATAACCATCAACCTGG  
TGGTACTGACCTGCTAGTGGGCTGTCCCTGCCACACGCTTTGCTGTCTTCTACGGTGCCGAGGCTG  
TCTGCGCTGTGCCTCCCTCATGTCTGGGCTACTTCTCAACATGCACTGTTCCATCCTCTTCCCTACC  
TGATCTGCGTGGACCGCTACCTGGCCATTGTGCAACCCGAGGGTTCGCCCGCTGGCGCCAGCCGGCT  
GCGCAAGGCCGTGTGCATCTTTGTGTGGCTGGCAGCAGGAGTCGTGACCTGTCTGTGCTGGGTGTGAA  
GTCGGGTGGACGATCATGCTGCCGTGCTTTGCTCTGACCGTTCTGGAGTTCTGCTGCCTCTGTGGTC  
ATCAGCGTGTTCACAGGCCGGATCATGTGTGCGCTGTGAGGCGGGTCTGCTACGCCAGGGCCGTGAGC  
GGCGCTGAGGGCCATGCAGTGTGCTCACGGTGTGGTTCATCTTCTGGTCTGTTTACACCCCTTCCA  
TGCCCGCCAGGTGGCTGTGGCACTGTGGCTAACGTACCTAAGCATACCAGCCTTGTGGCTTACCAGCT  
GCTGTACCCTCAGCAGCCTCAACAGCTGCATGGACCCATTGTCTACTGTTTTCATCACCAGTGGCTTCC  
AGGCCACTGTCCGAGCCTCTTCTACCAGCGTGGAGAAGAATTCAAGCCAGCAGTATGGATGTGGTTCAG  
CATGCACAAGAGCACCAAGGCCTCAGCTCCCATTACATCCTCAGCATCGGTTCCACACCCCTTACCCAG  
CCTTTGACCAACGGCCCTGAGCCG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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<b>ORF Size:</b>	1074 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_173365.2</a> , <a href="#">NP_775541.1</a>
<b>RefSeq Size:</b>	2141 bp
<b>RefSeq ORF:</b>	1077 bp
<b>Locus ID:</b>	239530
<b>UniProt ID:</b>	<a href="#">Q8BYC4</a>
<b>Cytogenetics:</b>	15 D3
<b>Gene Summary:</b>	Orphan receptor with constitutive G(i) signaling activity that activate cyclic AMP. [UniProtKB/Swiss-Prot Function]