

## Product datasheet for **MR221483A1V**

### Mouse Gpr31b (NM\_001013832) AAV Particle

#### Product data:

|                |                                    |
|----------------|------------------------------------|
| Product Type:  | AAV Particles                      |
| Tag:           | Myc-DDK                            |
| Symbol:        | Gpr31b                             |
| Synonyms:      | 12-HETER; Gpr31; Gpr31c; GPR31c(t) |
| Mammalian Cell | None                               |
| Selection:     |                                    |
| Vector:        | pAAV-AC-Myc-DDK (PS100089)         |

**ORF Nucleotide Sequence:** >MR221483 representing NM\_001013832  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGCGCACCAACTGCTCAGCTGCCAGCACTGTGGTGGAGACAGCCGTGGGCACCATGCTGACACTGG  
AGTGTGTGCTGGGCCTTATGGGCAATGCTGTGGCCCTCTGGACCTTCTTTACCGTCTCAAAGTATGGAA  
GCCTTATGCTGTCTACCTGTTCAACCTGGTGGTGGCTGACCTGCTATTGGCCACCAGTCTGCCATTCTTT  
GCTGCTTCTATCTGAAGGGCAAGACCTGGAACTTGGACACATGCCCTGCCAAGTCTGCTCTTCTTGC  
TGGCATTAGCCGTGGTGTGGGAGTAGCCTTCTGACGACAGTGGCTTTAGACCGGTATCTGCGTGTGGT  
CCATCCTCGGCTCAGAGTTAACTTGCTGTCTCTGAGGGCAGCTTGGGCATCTCCAGCCTCATCTGGCTT  
CTGATGGTTGTTCTCACTCCCCAAAACCTTCTCACTTGCAAGGACTACCCAGAATTCACGGAATGCCCA  
GCTTCTACCCACAGGAGGGGCAAGGCCATTGCCACCTGCCAAGAGGTAAGTCTTCTTCTCAGGTCCT  
GCTTCCCTTTGGCCTCATCTCCTTCTGCAACAGTGGCCTCATCAGGACCCTCCAGAAGAGACTCCGAGAG  
TCTGACAAACAGCCAGGATCCGGAGGGCCAGGGTGTGGTTGCCATAGTGTGCTACTGTTGGACTGT  
GCTTCTGCTAGTGTCTGACAGGGTCTGGTGCACATCTTCAGGAATTTAAGAGCTGCAGTGTCCA  
GCAAGCCATAGTGGGGCTCTGACATCGTGGCAGCCTCACCTGCCTGCACAGTACATTGAGCCAGCC  
ATTTACTGCTTCTCAATCCAGCCTTACCCACTCATACCGGAAGGTGCTCAAAAGCCTTCGAGGCGGA  
GGAAGGCAGCAGATCACCTAGCGACAACCTCAGGGACTCCTATTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;MR221483 representing NM_001013832</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MERTNCSAASTVVETAVGTMLTLECVLGLMGNAVALWTFYRLKVKPYAVYLFNLVVADLLLATSLPFF<br/> AAFYLGKGTWKLGHMPCQVLLFLLAFSRGVGVAFLTVALDRYL RVVHPRLRVNLLSLRAAWGISSLIWL<br/> LMVVLTPQNLLTCRTTQNSTECPSFYPTGGAKAIATCQEVLFLLQVLLPFGLISFCNSGLIRTLQKRLRE<br/> SDKQPRIRRARVLVAIVLLLFGLCFLPSVLTRVLVHIFQEFKSCSVQQAIVRASDIAGSLTCLHSTLSPA<br/> IYCFSNPAFTHSYRKVLKSLRGRRAAESPSDNLRDSYS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ACCN:</b>             | NM_001013832                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ORF Size:</b>         | 957 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability:</b>        | AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.            |
| <b>RefSeq:</b>           | <u>NM_001013832.2, NP_001013854.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>      | 960 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>       | 960 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>         | 436440                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID:</b>       | <u>F8VQN3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>     | 17 8.76 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MW:</b>               | 36.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |