

## Product datasheet for **RC209104A1V**

### Human GPR97 (ADGRG3) (NM\_170776) AAV Particle

#### Product data:

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Product Type:             | AAV Particles                                 |
| Product Name:             | Human GPR97 (ADGRG3) (NM_170776) AAV Particle |
| Tag:                      | Myc-DDK                                       |
| Symbol:                   | GPR97                                         |
| Synonyms:                 | GPR97; PB99; PGR26                            |
| Mammalian Cell Selection: | None                                          |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                    |



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## ORF Nucleotide Sequence:

>RC209104 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGCGACGCCCAGGGGCTGGGGGCCCTGCTCCTGCTCCTCCTGCTCCCGACCTCAGGTCAGGAAAAGC  
 CCACCGAAGGGCCAAGAAACACCTGCCTGGGGAGCAACAACATGTACGACATCTTCAACTGAATGACAA  
 GGCTTTGTGCTTACCAAGTGCAGGCAGTCGGGCAGCGACTCCTGCAATGTGGAAGAACTTGCAGAGATAC  
 TGGCTAAACTACGAGGCCATCTGATGAAGGAAGTTTACGCGAGAAGGTGAACACGCTTTCTGAAGG  
 CTTTGGTCCAGAACCTCAGCACCAACACTGCAGAAGACTTCTATTTCTCTGGAGCCCTCTCAGGTTCC  
 GAGGCAGGTGATGAAGGACGAGGACAAGCCCCCTGACAGAGTGCAGCTTCCCAAGAGCCTTTTTCGATCC  
 CTGCCAGGCAACAGGTCTGTGGTCCGCTTGGCCGTACCATTCTGGACATTGGTCCAGGGACTCTCTTCA  
 AGGGCCCCCGGCTCGGCTGGGAGATGGCAGCGGCGTGTGAACAATCGCCTGGTGGGTTTGAGTGTGGG  
 ACAAATGCATGTACCAAGCTGGCTGAGCCTCTGGAGATCGTCTTCTCTACCAGCGACCGCCCCCTAAC  
 ATGACCCTCACCTGTGTATTCTGGGATGTGACTAAAGGGACCACTGGAGACTGGTCTTCTGAGGGCTGCT  
 CCACGGAGGTCAGACCTGAGGGGACCGTGTGCTGTGCTGTGACCACTGACCTTTTTTCGCCCTGCTCCTGAG  
 ACCACCTTGGACCACTCCACGGTGCATATCTCACACGCATCTCCAGGCGGGCTGTGGGGTCTCCATG  
 ATCTTCTGGCCTTACCATTATTCTTTATGCCTTTCTGAGGCTTTCCCGGGAGAGGTTCAAGTCAGAAG  
 ATGCCCCAAGATCCACGTGGCCCTGGGTGGCAGCCTGTTCTCCTGAATCTGGCCTTCTTGGTCAATGT  
 GGGGAGTGGCTCAAAGGGTCTGATGCTGCCTGCTGGGCGCGGGGGCTGTCTTCCACTACTTCTGCTC  
 TGTGCCTTACCTGGATGGGCTTGAAGCCTTCCACCTTACCTGCTCGCTGTGAGGGTCTTCAACACCT  
 ACTTCGGGCACTACTTCTGAAGCTGAGCCTGGTGGGCTGGGGCTGCCCGCCCTGATGGTCATCGGCAC  
 TGGGAGTGCCAACAGCTACGGCCTCTACACCATCCGTGATAGGGAGAACCACCTCTCTGGAGCTATGC  
 TGGTTCCTGGAAGGGACAACCATGTACGCCCTCTATATCACCGTCCACGGCTACTTCTCATCACCTTCC  
 TCTTTGGCATGGTGGTCTGGCCCTGGTGGTCTGGAAGATCTTACCCTGTCCCGTGTACAGTGGTCAA  
 GGAGCGGGGGAAGAACCAGGAAGAAGGTGCTCACCTGCTGGGCTCTCGAGCCTGGTGGTGTGACATGG  
 GGGTGGCCATCTTACCCCGTTGGGCTCTCCACCGTCTACATCTTTGCACTTTTCACTCCTTGCAAG  
 GTGTCTTCATCTGCTGCTGGTTCACCATCCTTTACCTCCCAAGTCAGAGCACCACAGTCTCCTCTCTAC  
 TGCAAGATTGGACCGGCCCACTCCGCATCTCAAGAA

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC209104 protein sequence  
 Red=Cloning site Green=Tags(s)

MATPRGLGALLLLLLPTSGQEKPTGPRNTCLGSNNMYDIFNLNDKALCFTKCRQSGSDSCNENLQRY  
 WLNYEAHLMKEGLTQKVNTPLKALVQNLSTNTAEDFYFSLEPSQVPRQVMKDEKPPDRVRLPKSLFRS  
 LPGNRSVRLAVTILDIGPGLFKGPRLGLDGSGLVNNRLVGLSVGQMHVTKLAEPLEIVFSHQRPNN  
 MTLTCVFWDVTKGTTGDWSSEGCSTEVPEGTVCDDHLTFALLLRPTLDQSTVHILTRISQAGCGVSM  
 IFLAFTIILYAFLRLSRERFKSEDAPIHVALGGSFLNLAFLVNVGSGSKGSDAACWARGAVFHYFLL  
 CAFTWMGLEAFHLYLLAVRVFNTYFGHYFLKLSLVGWGLPALMVIPTGSANSYGLYITRDRENRTSLELC  
 WREGTTMYALYITVHGYFLITFLGMVVLALVVKIFTLSRATVVKERGKNRKKVLTLGLSSLVGVTW  
 GLAIFTPLGLSTVYIFALFNSLQGVFICWFTILYLPQSSTTVSSSTARLDQAHSASQE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM\_170776

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ORF Size:     | 1647 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer:       | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Stability:    | 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. |
| RefSeq:       | <u>NM_170776.3, NP_740746.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:  | 2676 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1650 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 222487                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:   | <u>Q86Y34</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 16q21                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MW:           | 60.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |