

## Product datasheet for **RC207119A1V**

### Human FPGT (NM\_003838) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human FPGT (NM_003838) AAV Particle |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | FPGT                                |
| Synonyms:                 | GFPP                                |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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**ORF Nucleotide  
Sequence:**

>RC207119 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**

ATGGCAGCTGCTAGGGACCTCCGGAAGTATCGCTGCGAGAAGCCACCCAGCGAAAATTGCGGAGGTTTT  
 CCGAGCTAAGAGGCAAACTTGTAGCACGTGGAGAATTCTGGGACATAGTTGCAATAACAGCGGCTGATGA  
 AAAACAGGAACCTTGCTTACAACCAACAGCTGTCAGAAAAGCTGAAAAGAAAGGAGTTACCCCTTGAGGTT  
 CAATATCACGTTTTGTAGATCCTGCTGGAGCCAAAATTGGAATGGAGGATCAACACTTTGTGCCCTTC  
 AATGTTTGAAAAGCTATATGGAGATAAATGGAATCTTTTACCATCTTATTAATTCACCTCTGGTGGCTA  
 CAGTCAACGACTTCCAAATGCAAGTGCTCTGGGAAAAATTTTCACTGCTTACCTCTGGTAACCCATT  
 TATCAGATGCTAGAATTAAGTAGCCATGTACATTGATTTCCCTTAAATATGAATCCTGGAATTCGG  
 TTACCTGTGCAGATGATTTGAACCTTATAGTATTGGAGAATTTGAGTTTATTAGGTTTGACAAACCTGG  
 CTTTACTGCTTTAGCTCATCCTCTAGTTTGACGATAGGTACCACACATGGAGTATTTGTCTTAGATCCT  
 TTTGATGATTTAAACATAGAGACCTTGAATACAGGTCTTGCCATCGTTTCCTTCATAAGCCAGCATAG  
 AAAAGATGTATCAGTTTAATGCTGTGTGTAGACCTGGAATTTTTGTCAACAGGACTTTGCTGGGGGTGA  
 CATTGCCGATCTTAAATTAGACTCTGACTATGTCTACACAGATAGCCTATTTTATATGGATCATAAATCA  
 GCAAAATGTTACTTGCTTTTATGAAAAATAGGCACACTGAGCTGTGAAATAGATGCCTATGGTGACT  
 TTCTGCAGGCTTTGGGACCTGGAGCAACTGTGGAGTACACCAGAAACACATCAATGTCATTAAAGAAGA  
 GTCAGAGTTGGTAGAAATGAGGCAGAGAATATTTTCATCTTCTTAAAGGAACATCACTAAATGTTGTTGT  
 CTTAATAACTCCAAATTTTATCATTGGAACAACCGAAGAATATTTGTTTACTTTACCTCAGATAACA  
 GTTTAAAGTCAGAGCTCGGCTTACAGTCCATAACTTTTAGTATCTTTCCAGATATACCAGAATGCTCTGG  
 CAAAACATCCTGTATCATTCAAAGCATCTGGATTCAAGATGTTCTGTGGCACCTGGCTCAGTTGTGGAG  
 TATTCCAGATTGGGGCTGATGTTTCAGTTGGGAAAACCTGCATTATTAGTGGTTCTTACATCCTAACAA  
 AAGCTGCCCTCCCGCACATTCTTTGTATGTTCTTAAAGCTTAAAGTGAATAGATGCTTAAAGTATGC  
 AACTATGGCATTGGAGTGCAAGACAACCTGAAAAAGAGTGTGAAACATTGTCAGATATAAAGTACTT  
 CAATCTTTGGAGTCTGTTTCTGTCTAGCTTATGTTGGAATCTTAAAGTTACAGAGGAACCTGTTCT  
 CTGGTAACAAGACATGTCTGAGTTTGTGGACTGCACGCATTTTCCAGTTTGTCTTCTTTGAGTGACTC  
 AGTTATAACATCCCTAAAGATGTTAAATGCTGTTAAGAACAAGTCAGCATTGAGCCTGAATAGCTATAAG  
 TTGCTGTCCATTGAAGAAATGCTTATCTACAAAGATGTAGAAGATATGATAACTTACAGGAACAAATTT  
 TTCTAGAAATCAGTTTAAAAAGCAGTTTGATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC207119 protein sequence  
 Red=Cloning site Green=Tags(s)

MAAARDPPEVSLREATQRKLRRFSELRGKLVARGEFDWIDVAITAADKQELAYNQQLSEKLKRKELPLGV  
 QYHVFVDPAGAKIGNGGSTLCALQCLEKLYGDKWNSFTILLIHSGGYSQRLPNASALGKIFTALPLGNPI  
 YQMLELKLAMYIDFPLNMNPGILVTCADDIELYSIGFEFIRFDKPGFTALAHPSSTLIGTTHGVFVLDP  
 FDDLKHRDLEYRSCHRLFHKPSIEKMYQFNAVCRPGNFCQQDFAGGDIADLKLDSDYVYTDLSLFYMDHKS  
 AKMLLAFYEKIGTLSCEIDAYGDFLQALGPGATVEYTRNTSNVIKEESELVEMRQRIHLLKGTSLNVVV  
 LNNSKFYHIGTTEEYLFYFTSDNSLKSELGLQSIITFSIFPDIPECSGKTSCIIQSILDSRCSVAPGSVVE  
 YSRLGPDVSVGENCIISGSYILTKAALPAHSFVCSLSLKMNRCLKYATMAFGVQDNLKKS VKTLDIKLL  
 QFFGVCFLSCLDVWNLKVTEELFSGNKTCLSLWTARIFPVCSSLSDSVITSLKMLNAVKNKSAFSLNSYK  
 LLSIEEMLIYKDVEDMITYREQIFLEISLKSSLM

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Species:**

Human

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serotype:     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ACCN:         | NM_003838                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORF Size:     | 1782 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer:       | PBS with 0.001% Pluronic F5989                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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_003838.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:  | 4722 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1785 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 8790                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| UniProt ID:   | <u>O14772</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 1p31.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MW:           | 66.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |