

## Product datasheet for **RC205663A1V**

### Human GTPBP5 (MTG2) (NM\_015666) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human GTPBP5 (MTG2) (NM_015666) AAV Particle                      |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | GTPBP5                                                            |
| Synonyms:                 | dj1005F21.2; GTPBP5; ObgH1                                        |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC205663 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCACCTGCAAGGTGTTTTTCAGCAAGATTGAGGACCGTGTTTCAGGGCGTGGGGCATTGGGCTTTGT  
CCACATGGGCTGGCCTGAAGCCAGCCGGCTACTGCCACAGCGGGCTTCTCCAGGCTGCTCTCGGTCGG  
CCGTGCGGACCTCGCCAAGCATCAGGAACCTCCGGGGAAGAAGCTGCTCTGAGAAAAAGCTGAAAAGG  
TACTTTGTGGACTATCGGAGAGTGCTTGTCTGTGGAGGAAACGGAGGCGCTGGGGCAAGTGCTTCCACA  
GTGAGCCCCGCAAGGAGTTTGGAGGCCCTGATGGAGGGGACGGAGGCAACGGTGGACACGTCATTCTGAG  
AGTTGACCAGCAAGTCAAGTCCCTGTCGTCGGTCTGTCGCGGTACCAGGGTTTCACTGGAGAAGATGGA  
GGGAGTAAAACTGCTTCGGGCGCAGTGCGGCCGTCTCTACATCCGGGTCCCCGTGGGCACGCTGGTGA  
AGGAGGGAGGCAGAGTTGTGGCCGACCTGTCTTGCGTGGGAGATGAGTACATTGCCGCGCTGGGCGGGC  
AGGAGGGAAAGGCAACCGCTTCTTCTGGCCAACAACAACCGTGCCCTGTGACCTGTACCCCTGGACAG  
CCAGGACAGCAGCGAGTTCTCCACCTGGAGCTCAAGACGGTGGCCACGCCGGAATGGTGGGATTCCCCA  
ACGCCGGGAAGTCTCACTGCTCCGGGCCATTTCAAACGCCAGACCCGCCGTGGCTTCTACCCGTTTAC  
CACCTGAAGCCCCACGTCGGGATCGTCCACTACGAAGGCCACCTACAAATAGCAGTGGCCGACATCCCC  
GGCATCATACGAGGCGCCACCAGAACAGGGTCTGGGGTCCGCTTCTCAGGCACATCGAGCGCTGCC  
GCTTTCTCTTGTTCGTGGTGGATCTTTCTCAGCCTGAGCCGTGGACTCAAGTTGACGATTTAAATATGA  
ACTGGAGATGTATGAAAAGGGCCTGTCTGCGAGCCCCACGCAATCGTCGCAAAAGATTGACCTCCCT  
GAAGCCCAAGCCAATCTGTCCAGCTCCGGGATCACTTGGGACAGGAGGTATCGTGCTGTGCGGCTTGA  
CCGGCGAGAACCTGGAGCAGTGCTGTTGCACCTGAAGGTGCTGTATGACGCCTACGCGGAGGCCGAGCT  
GGGCCAGGGCCGCCAGCCGCTCAGGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC205663 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAPARCF SARLRTVFQGVGHWALSTWAGLKPSRLLPQRASPRLLSVGRADLAKHQELPGKKLLSEKKLKR<br/> YFVDYRRVLVCGGNGGAGASCFHSEPRKEFGGPDGGDGGNGGHVILRVDQQVKSLSSVL SRYQGFSGEDG<br/> GSKNCFGRSGAVLYIRVPVGTLVKEGGRVVADLSCVGDEYIAALGGAGGKGNRFFLANNNRAPVTCTPGQ<br/> PGQQRVLHLELKTVAHAGMVGFNAGKSSLLRAISNARPAVASYPFTTLKPHVGIVHYEGHLQIADIP<br/> GIIRGAHQNRGLGSAFLRHIERCRFLLFVVDLSQPEPWTQVDDLKYELEMYEKGLSARPHAIVANKIDLP<br/> EAQANLSQLRDHLGQEVIVLSALTGENLEQLLLHLKVL YDAYAEAEELGQGRQPLRW</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ACCN:</b>             | NM_015666                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ORF Size:</b>         | 1218 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>           | <a href="#">NM_015666.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>      | 2949 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>       | 1221 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Locus ID:</b>         | 26164                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID:</b>       | <a href="#">Q9H4K7</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cytogenetics:</b>     | 20q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MW:</b>               | 44 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |