

## Product datasheet for **RC204766A1V**

### Human ALG2 (NM\_033087) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human ALG2 (NM_033087) AAV Particle                               |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | ALG2                                                              |
| Synonyms:                 | CDG1I; CDGLI; CMS14; CMSTA3; hALPG2; NET38                        |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC204766 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGGAGGAGCAGGGCCGGGAACGGGACTCGGTTCCCAAGCCGTGGTGCTGTTCTCCACCCAGACC  
TGGGCGTGCGCGGCGCTGAGCGGCTGGTGTGGACGCGGCGCTGGCGCTGCAGGCGCGCGGTGTAGCGT  
GAAGATCTGGACAGCGCACTACGACCCGGGCCACTGTTTCGCCGAGAGCCGCGAGCTACCGGTGCGCTGT  
GCCGGGACTGGCTGCCGCGAGGCTGGGCTGGGCGGCCGCGCGCGCGCTCTGCGCTACGTGCGCA  
TGGTTTTCTGGCGCTCTACGTGCTGTTCTCGCCGACGAGGAGTTCGACGTGGTAGTGCGACCAAGT  
GTCTGCCTGTATCCAGTGTTCAAGGCTGGCTAGACGGCGGAAGAAGATCCTATTTTACTGTCACCTCCCA  
GATCTGCTTCTACCAAGAGAGATTCTTTCTTAAACGACTATACAGGGCCCAATTGACTGGATAGAGG  
AATACACCACAGGCATGGCAGACTGCATCTTAGTCAACAGCCAGTTCACAGCTGCTGTTTTAAGGAAAC  
ATTCAAGTCCCTGTCTACATAGACCCTGATGTCCTCTATCCATCTCTAAATGTCACCAGCTTTGACTCA  
GTTGTTCTGAAAAGCTGGATGACCTAGTCCCAAGGGGAAAAAATCCTGCTGCTCTCCATCAACAGAT  
ACGAAAGGAAGAAAAATCTGACTTTGGCACTGGAAGCCCTAGTACAGCTGCGTGAAGATTGACATCCCA  
AGATTGGGAGAGGGTTCATCTGATCGTGGCAGGTGGTTATGACGAGAGAGTCTGGAGAATGTGGAACAT  
TATCAGGAATTGAAGAAATGGTCCAACAGTCCGACCTTGCCAGTATGTGACCTTCTTGAGGTCTTCT  
CAGACAAACAGAAATCTCCCTCCTCCACAGCTGCACGTGTGTGCTTTACACACCAAGCAATGAGCACTT  
TGGCATTGTCCCTCTGGAAGCCATGTACATGCAGTGCCAGTCATTGCTGTTAATTGCGGTGGACCCCTG  
GAGTCCATTGACCACAGTGTACAGGGTTCTGTGTGAGCCTGACCCGGTGCCTTCTCAGAAGCAATAG  
AAAAGTTCATCCGTGAACCTTCTTAAAGCCACCATGGGCTGGCTGGAAGAGCCAGAGTGAAGGAAAA  
ATTTCCCTGAAGCATTTACAGAACAGCTCTACCGATATGTTACCAACTGCTGGTA

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC204766 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAEEQGRERDSVPKPSVLF LHPDLGVGGAERLV L DAALALQARGCSVKI WTAHYDPGHCF AESREL PVRC<br/> AGDWLPRGLGWGGRGAAYVRMVFLALYVFLADEEFDVVVCDQVSACIPVFR LARRRKKILFYCHFP<br/> DLLLTKRDSFLKRLYRAPIDWIEEYTTGMADCILVNSQFTA AVFKETFKSLSHIDPDVLYPSLNVTSFDS<br/> VYPEKLDDLVPKGKKFLLL SINRYERKKNLTLALEALVQLRGRLTSQDWERVHLIVAGGYDERVLENVEH<br/> YQELKKMVQQSDLGQYVTF LRSFSDKQKISLLHSCTCVLYTPSNEHFGI VPLEAMYMQCPVIAVNSGGPL<br/> ESIDHSVTGFLCEPDVHFSEAIEKFI REPSLKATMGLAGRARVKEKFSPEAFTEQLYRYVTKLLV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCN:             | NM_033087                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ORF Size:         | 1248 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:           | <a href="#">NM_033087.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq Size:      | 2834 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq ORF:       | 1251 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Locus ID:         | 85365                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt ID:       | <a href="#">Q9H553</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Cytogenetics:     | 9q22.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MW:               | 47.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |