

## Product datasheet for **RC200581A1V**

### Human **GADD34 (PPP1R15A) (NM\_014330) AAV Particle**

#### Product data:

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Product Type:             | AAV Particles                                    |
| Product Name:             | Human GADD34 (PPP1R15A) (NM_014330) AAV Particle |
| Tag:                      | Myc-DDK                                          |
| Symbol:                   | PPP1R15A                                         |
| Synonyms:                 | GADD34                                           |
| Mammalian Cell Selection: | None                                             |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                       |



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## ORF Nucleotide Sequence:

>RC200581 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCCCAGGCCAAGCACCCCATCAGGCTACCCCGTGGAGGGATGCCACCCCTTCTCTCCTGTCCC  
CAGTGATGGGCCTCCTCAGCCGCGCCTGGAGCCGCTGAGGGGCTGGGACCTCTAGAGCCCTGGCTGGT  
GGAAGCAGTAAAAGGAGCAGCTCTGGTAGAAGCTGGCCTGGAGGGAGAAGCTAGGACTCCTCTGGCAATC  
CCCCATACCCCTTGGGGCAGACGCCCTGAAGAGGAGGCTGAAGACAGTGGAGGCCCTGGAGAGGACAGAG  
AAACACTGGGGCTGAAAACCAGCAGTTCCTTCTGAAGCCTGGGGACTTTTGGATGATGATGATGGCAT  
GTATGGTGAGCGAGAGGCAACCAGTGTCCCTAGAGGGCAGGGAAGTCAATTTGCAGATGGCCAGCGTGCT  
CCCCTGTCTCCAGCCTTCTGATAAGGACACTGCAAGGTTCTGATAAAGAACCCAGGGGAGGAGAAAGCCG  
AGGAAGAGGGAGTTGCTGAAGAGGAGGGAGTTAACAAGTCTCTTATCCACCATCACACCGGAGTGTTG  
TCCAGCCGTGGAGGAGGAGGACGATGAAGAAGCTGTAAGAAAGAAGCTCACAGAACCTCTACTTCTGCC  
TTGTCTCCAGGATCCAAGCCCAGCACTTGGGTGTCTTGCCAGGGGAGGAAGAGAATCAAGCCACGGAGG  
ATAAAAGAACAGAAAGAAGTAAAGGAGCCAGGAAGACCTCCGTGTCCCCCGATCTTCAGGCTCCGACCC  
CAGGTCCTGGGAGTATCGTTTCAAGAGAGGCGTCCGAGGAGAAGGAGGAAAAGGCACACAAAGAACTGGG  
AAAGGAGAAGCTGCCCCAGGGCCGCAATCCTCAGCCCCAGCCCAGAGGCCCCAGCTCAAGTCTGGTGGT  
GCCAACCCAGTGATGAAGAGGAGGGTGAGGTCAAGGCTTTGGGGCAGCTGAGAAGGATGGAGAAGCTGA  
GTGTCTCCCTGCATCCCCCACCAAGTGCTTCTGAAGGCTGGGTGATTGGCCAGGAGAGGACACA  
GAGGAAGAGGAAGATGAGGAAGAAGATGAGGACAGTGAAGTCTGGATCAGATGAGGAAGAGGGAGAAGCTG  
AGGCTTCTCTTCCACTCCTGCTACAGGTGTCTTCTGAAGTCTGGGTCTATCAGCCAGGAGAGGACAC  
AGAGGAGGAGGAAGATGAGGACAGTGATACAGGATCAGCCGAGGATGAAAGAGAAGCTGAGACTTCTGCT  
TCCACACCCCTGCAAGTGCTTTCTGAAGGCTGGGTGTATCGGCCAGGAGAGGACACGGAGGAGGAGG  
AAGATGAGGATGTGGATAGTGAGGATAAGGAAGATGATTCAGAAGCAGCCTTGGGAGAAGCTGAGTCAGA  
CCCACATCCCTCCACCCGACCAGAGGGCCCACTTCAGGGGCTGGGGATATCGACCTGGAAAAGAGACA  
GAGGAAGAGGAAGCTGCTGAGGACTGGGGAGAAGCTGAGCCCTGCCCCTTCCGAGTGGCCATCTATGTAC  
CTGGAGAGAAGCCACCGCTCCTGGGCTCCTCCTAGGCTGCCCCTCCGACTGCAAAGGCGGCTCAAGCG  
CCCAGAAACCCCTACTCATGATCCGGACCCTGAGACTCCCTAAAGGCCAGAAAGGTGCGCTTCTCCGAG  
AAGGTCACTGTCCATTTCTGGCTGTCTGGGCAGGGCCGGCCAGGCCGCCGCCAGGGCCCTGGGAGC  
AGCTTGCTCGGGATCGCAGCCGCTTCGCACGCCGATCACCCAGGCCAGGAGGAGCTGAGCCCCCTGCCT  
CACCCCTGCTGCCCGGGCCAGAGCCTGGGCACGCCTCAGGAACCCACCTTTAGCCCCATCCCTGCCCTC  
ACCCAGACCTTGCCCTTCTCCTGTGCCCTTGTCCCCAGTCCAGACCACGCCCTTGAGCCAAGCTGTGG  
CCACACCTTCCGCTCGTCTGCTGCTGCAGCGGCTGCCCTGGACCTCAGTGGGAGGCGTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC200581 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAPGQAPHQATPWRDAHPPFLLSPVMGLLSRAWSRLRGLGLEPWLVEAVKGAALVEAGLEGEARTPLAI<br/> PHTPWGRRPEEEAEDSGGPGEDRETLGLKTSSSLPEAWGLLDDDDGMYGEREATSVPRGQGSQFADGQRA<br/> PLSPSLLIRTLQGSCKNPGEKAEKEEGVAEEEGVKNKFSYPPSHRECCPAVEEEDDEEAVKKEAHTSTSA<br/> LSPGSKPSTWVSCPGEEENQATEDKRTERSKGARKTSVSPRSSGSDPRSWEYRSGEASEEKEEKAKHETG<br/> KGEAAPGPQSSAPQRPQLKSWWCQPSDEEEGEVKALGAAEKDGEACPPCIPPPSAFLKAWVYWPGEDT<br/> EEEEDEEDEDSDSGSDEEEGEAEASSSTPATGVFLKSWVYQPGEDTEEEDESDTGSADEREAETSA<br/> STPPASAFKAWVYRPGEDTEEEDEDVDSKEDDSEALGEAESDPHPSHPDQRAHFRGWGYRPGKET<br/> EEEEAAEDWGEAEPFVRVAYVPGKPPPPWAPPRLPLRLQRRLKRPEPTHTDPPETPLKARKVRFSE<br/> KVTVHFLAVWAGPAQAARQGPWEQLARDRSRFAARRITQAQEELSPCLTPAARARAWARLRNPLAPIPAL<br/> TQTLPSSSVPSPVQTTPLSQAVATPSRSSAAAAAALDLSGRRG</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCN:             | NM_014330                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ORF Size:         | 2022 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Buffer:           | PBS with 0.001% Pluronic F5081                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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_014330.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq Size:      | 2399 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq ORF:       | 2025 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Locus ID:         | 23645                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt ID:       | <u>O75807</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cytogenetics:     | 19q13.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MW:               | 73.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |