

## Product datasheet for **RC212247A1V**

### Human GAB4 (NM\_001037814) AAV Particle

#### Product data:

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | AAV Particles                          |
| Product Name:             | Human GAB4 (NM_001037814) AAV Particle |
| Tag:                      | Myc-DDK                                |
| Symbol:                   | GAB4                                   |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)             |



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**ORF Nucleotide  
Sequence:**

>RC212247 representing NM\_001037814  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGTCCTGCCGTCCCCCTCACCTCCCGGAGCTGTGCCACCTGACCCGGCATTGCGCCTTTGTCTT  
 CGTGGCCCGGAAGTGGCCCGCCGCGGAAGCAGAGAAGTGGCCACGTGCTGTACAGCGGCTGGCTGAG  
 GAAGTCGCCCCCGAGAAGAAGCTGAGGCTCTTTGCCTGGAGGAAACGCTGTTTATCCTGCGGAGGGGC  
 CAGACTAGCAGTGACCCAGATGTTCTGGAATACTACAAGAATGATGGCTCCAAGAAGCCCTGCGACCA  
 TCAACCTGAACCTCTGTGAGCAGCTGGATGTTGATGTGACTCTGAACCTCAACAAGAAGGAGATTAGAA  
 GGGCTATATGTTGACATCAAGACCAGTGAGCGTACCTTTTACCTGGTGGCTGAGACCAGGGAGGACATG  
 AATGAGTGGGTCCAGAGCATCTGTCAGATCTGTGGCTTCAGGCAGGAGGAAAGCACAGGCTTCTGGGAA  
 ACATTTCTCAGCCAGTCAGGCCTCTGCTCTTCTCCAGCTGAGCCCAGCTGCTCCCATCAGCACCTCCC  
 CCAAGAACAAGAACCACATCTGAGCCCCGGTGTCTACTGTGTGCCGCCACCTGGCCCATCCCTGCA  
 CCTCCGGGGTGTCTCCGCTCGCACCAGCACGCCAGCCAGAGAGCAGAACATGCAAGGAGTGCCAGCTTCT  
 CCCAGGGTTCTGAGGCCCATTCATCATGAGGAGAAACACAGCCATGCAAAATCTTGCCAGCACAGTGG  
 ATACAGTGTGATGGGTGAGCGGTACATCCATGGCTTCCATAGCCTTTCCAAGCCAGCCAGCACAAAT  
 GCAGAATTCAGAGGCAGACCCACAGAATCCCTGGAGCTGGCTCCCATGGCCACACCAGAGGCAGCC  
 TCACAGGCTCTGAGGCGGATAATGAGGCTTCTCCGGCAAGTACACCCAGCATGGTGGAGGGAATGCCAG  
 CCGGCTGTGAGTCCATGCATGAGGGAGTCTGTTCTTTCTGCCAGGAAGACGCTTGTGGGCTGTCA  
 GACAGCATTGCTTCTGAGGGCAGCTGTGTGCCATGAACCCAGGCTCCCTACCTGCCGGCTGTGAAGC  
 AAGCAGCGCATGATTCCAGGGTGTCTGCATCCCTGTGGGCTCATGTCTTGTTCGCTTTGACCTGCTTGG  
 CTCCCCACTCACAGAGCTTTCTATGCACCAAGACCTCAGCCAGGAGCATGAGGTCCAGCTGCCCTGTCT  
 AACCGCAGCCTCAAGCCTAACCAAGAAGGCCAACCAACACCGCCCAACCTGAGAAACAACAGGTCATCA  
 ATGAGCTCTCCTTCAAGCCACCTGTACAGAGCCCTGGTCTGGGACCAGCCACACCTTTGACTCCAGCTC  
 CTCCCAACACCCCATCTCCACGCAGAGCATACCAACACAGACTCAGAAGACAGTGGAGAGAGGTATCTT  
 TTCCCGAACCCGGCATCTGCATTTCTGTTTCCGGTGGCACCAGCAGTTCAGCCCCGCCGAGGAGCACTG  
 GTAACATCCACTACGCGGCCCTGGACTTCCAGCCGAGCAAGCCATCCATAGGCTCTGTACGTCGGGCAA  
 GAAGGTGGACTATGTCCAGGTGGATCTGGAGAAGACCCAGGCCCTGCAGAAGACCATGCATGAACAGATG  
 TGCTGCGGCAGTCCTCAGAGCCTCCAGGGGGCCCAAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

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MSLPSPSPSRELCPPDPAFAPLSSWPGSGPAGGSTRSGHVL YSGWLRKSPPEKKLRLFAWRKRWFILRRG  
 QTSSDPDVLEYYKNDGSKPLRTINLNLCEQLDVDVTLNFNKKEIQKGYMFDIKTSERTFYLV AETREDM  
 NEWVQSICQICGFRQEESTGFLGNISSASHGLCSSPAEPSCSHQHL PQEQEPTSEPPVSHCVPTWPIPA  
 PPGCLRSHQHASQRAEHARSASFSGSEAPFIMRRNTAMQNLAQHSGYSVDGVS GHIHGFSLSKPSQHN  
 AEFRGSTHRIPWSLASHGHRGSLTGSEADNEASSGKYTQHGGGNASRPAESMHGVC SFLPGRTLVGLS  
 DSIASEGSCVPMNPGSPTLPAVKQAGDDSQGVCIPVGSCLVRFDLLGSPL TELSMHQDL SQGHEVQLPPV  
 NRSLKPNQKANPTPPNLRNRRVINELSFKPPVTEPWSGTSHTFDSSSSQHP ISTQSIINTDSEDSGERYL  
 FPNPASAFPVSGGTSSSAPPRSTGNIHYAALDFQPSKPSIGSVTSGKKVDYVQVDLEKTQALQKTMHEQM  
 CLRQSSEPPRGAKL

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

**Species:**

Human

**Serotype:**

AAV-2

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN:         | NM_001037814                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ORF Size:     | 1722 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer:       | PBS with 0.001% Pluronic F6852                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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_001037814.1, NP_001032903.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq Size:  | 2630 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1725 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 128954                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:   | <u>Q2WGN9</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics: | 22q11.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:           | 62.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |