

## Product datasheet for **RC209424A1V**

### Human COASY (NM\_001042530) AAV Particle

#### Product data:

|                           |                                         |
|---------------------------|-----------------------------------------|
| Product Type:             | AAV Particles                           |
| Product Name:             | Human COASY (NM_001042530) AAV Particle |
| Tag:                      | Myc-DDK                                 |
| Symbol:                   | COASY                                   |
| Synonyms:                 | DPCK; FLJ35179; NBP; pOV-2; PPAT; UKR1  |
| Mammalian Cell Selection: | None                                    |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)              |



[View online »](#)

**ORF Nucleotide  
Sequence:**

&gt;RC209424 ORF sequence

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

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

 ATGGCCGTATTCCGGTCGGGTCTCTGGTGCTGACGACGCCGCTGGCCTCCCTAGCCCCCTCGCCTGGCCT  
CCATCCTGACCTCGGCGGCCCGGCTGGTGAATCACACACTCTATGTTACCTGCAGCCGGGCATGAGCCT  
GGAGGGCCCGGCTCAGCCCCAGTACAGCCCCGTGCAGGCCACGTTTGGGTTCTTGATTTTCATCAGCAC  
CTCTATGCTGGCGCCGACGTCCACAGGCACTTGGACGTGAGAATCCTACTGACCAATATCCGAACCAAGA  
GCACCTTTCTCCCTCCCTGCCACCTCAGTCCAGAATCTCGCCACCCGCCAGAAGTCGTGTTGACAGA  
TTTCCAGACCCTGGATGGAAGCCAGTACAACCCGGTCAAACAGCAGCTAGTGCGTTACGCCACCAGCTGT  
TACAGCTGTTGTCCGCGACTGGCCTCGGTGCTGCTATACTCCGATTATGGGATAGGAGAAGTGCCCGTGG  
AGCCCCGGATGTCCCTTACCCTCCACGATCAGGCCAGCTTCCCCCGTGGCCGGGTCTCCAAGCAGCC  
GGTGCGTGGCTACTACCGTGGCGCTGTGGTGGCAGCTTGACCGCCTGCACAACGCCCAAGGTGTTG  
CTCAGTGTGCGGTGCATCCTGGCCAGGAGCAGCTTGTGGTGGGAGTAGCAGACAAGATCTGTTGAAGA  
GCAAGTTGCTCCCTGAGCTGCTCCAACCTTATACAGAAGCTGTGGAACATCTGAGTGAATTCCTGGTGA  
CATCAAGCCCTCCTTGACTTTTGATGTCATCCCTGCTGGACCCCTATGGGCCCGCTGGCTCTGACCCC  
TCCCTGGAGTTCTGGTGGTCAGCGAGGAGACCTATCGTGGGGGATGGCCATCAACCGCTTCCGCCTTG  
AGAATGACCTGGAGGAACCTGCTTTGTACCAGATCCAGCTGCTGAAGGACCTCAGACATACGGAGAATGA  
AGAGGACAAAGTCAGCTCCTCCAGCTTCCGCCAGCGAATGTTGGGGAACCTGCTTCGGCTCCATATGAA  
AGGCCAGAGCTCCCAACATGTCTATGTAATTGGGCTGACTGGCATCAGTGGCTCTGGGAAGAGCTCAA  
TAGCTCAGCGACTGAAGGCGCTGGGGCGTTTGTATTGACAGTGACCACCTGGGTATCGGGCCTATGC  
CCCAGGTGGCCCTGCCTACCAGCCTGTGGTGGAGGCCTTTGGAACAGATATTCTCCATAAAGATGGCATC  
ATCAACAGGAAGTCTAGGCAGCCGGGTGTTTGGGAATAAGAAGCAGCTGAAGATACTACGGACATTA  
TGTGGCCAATTATCGAAAGCTGGCCCGAGAGGAGATGGATCGGGCTGTGGCTGAGGGAAAGCGTGTGTG  
TGTGATTGATGCCGCTGTGTTGCTTGAAGCCGGCTGGCAGAACCTGGTCCATGAGGTGTGGACTGCTGTC  
ATCCCAGAGACTGAGGCTGTAAAGCGCATTGTGGAGAGGGATGGCCTCAGTGAAGCCGCGGCTCAAAGCC  
GGCTGCAGAGCCAGATGAGCGGGCAGCAGCTTGTGGAACAGAGCCACGTGGTGTCTCAGCACCTTGTGGGA  
GCCGCATATACCCAACGCCAGGTGGAGAAAGCCTGGGCCCTCTTGCAAGCGCATTCCCAAGACTCAT  
CAGGCCCTCGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

&gt;RC209424 protein sequence

Red=Cloning site Green=Tags(s)

 MAVFRSGLLVLTTPLASLAPRLASILTSARLVNHTLYVHLQPGMSLEGPAQPQYSPVQATFEVLDFITH  
LYAGADVHRHLDVRILLTNIRTKSTFLPPLPTSVQNLAHPPEVVLTDFTLDGSQYNPVKQQLVRYATSC  
YSCCPRLASVLLYSYDYGIEVPVEPLDVPLSTIRPASPVAGSPKQPVRYRGAVGGTFDRLHNAHKVL  
LSVACILAQEQLVVGVDKDLLKSKLLPELLQPYTERVEHLSEFLVDIKPSLTFDVIPLLDYPGPAGSDP  
SLEFLVSEETYRGGMAINRFRLENDLEELALYQIQLLKDLRHTENEEDKVSSSSFRQRMGLNLRPPYE  
RPELPTCLYVIGLTGISGSGKSSIAQRLKGLGAFVIDSDHLGHRAYAPGGPAYQPVVEAFGTDILHKDGI  
INRKVLGSRVFGNKKQLKILTDIMWPIIAKLAREEMDRAVAEGKRVCVIDAALLLEAGWQNLVHEVWTAV  
IPETEAVRRIVERDGLSEAAQSRQLSQMSGQQLVEQSHVVLSTLWEPHITQRQVEKAWALLQKRIKPTH  
QALD

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

**Species:**

Human

**Serotype:**

AAV-2

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN:         | NM_001042530                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ORF Size:     | 1692 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:       | <u>NM_001042530.1, NP_001035995.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq Size:  | 2417 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:   | 1694 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Locus ID:     | 80347                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cytogenetics: | 17q21.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MW:           | 62.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |