

## Product datasheet for **RC210314A1V**

### Human PRKRIR (THAP12) (NM\_004705) AAV Particle

#### Product data:

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | AAV Particles                                  |
| Product Name:             | Human PRKRIR (THAP12) (NM_004705) AAV Particle |
| Tag:                      | Myc-DDK                                        |
| Symbol:                   | THAP12                                         |
| Synonyms:                 | DAP4; P52rIPK; PRKRIR; THAP0                   |
| Mammalian Cell Selection: | None                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                     |



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## ORF Nucleotide Sequence:

>RC210314 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCCGAACCTTCTGCGCTGCCCCCAACTGCACGCGGAAGAGCACGCAGTCCGACTTGGCCTTCTTCAGGT  
TCCCGCGGGACCCTGCCAGATGCCAGAAAGTGGGTGGAGAAGTGTAGGAGAGCAGACTTAGAAGATAAAAC  
ACCTGATCAGCTAAATAAACATTATCGATTATGTGCCAAACATTTTGAGACCTCTATGATCTGTAGAACT  
AGTCCTTATAGGACAGTTCTTCGAGATAATGCAATACCAACAATATTTGATCTTACCAGTCATTTGAACA  
ACCCACATAGTAGACACAGAAAACGAATAAAAGAACTGAGTGAAGATAAAATCAGGACACTGAAGCAGAA  
AAAAATTGATGAACTTCTGAGCAGGAACAAAAACATAAAGAAACCAACAATAGCAATGCTCAGAACCCC  
AGCGAAGAAGAGGGTGAAGGGCAAGATGAGGACATTTTACCTCTAACCCCTGAAGAGAAGGAAAAACAAAG  
AATACCTAAAACTCTATTTGAAATCTTGATTCTGATGGGAAAGCAAAACATACCTCTGGATGGACATGA  
GGCTGATGAAATCCCAGAAGGTCTCTTACTCCAGATAACTTTTCAAGGCACTGCTGGAGTGTGGATAAAT  
TCTGGTGAAGAGGTTCTGAGAAAGCGGTTTGAACAACAGCAGTTAACACGTTGTTTTGTTCAAAAAACAC  
AGCAGAGGCAGATGCTAGAGATCTGTGAGAGCTGTATTGAGAAGAACTCTCAGGGAAGTGAGAGACTC  
ACACTTCTTTCCATTATCACTGACGATGTAGTGGACATAGCAGGGGAAGAGCACCTACCTGTGTTGGTG  
AGGTTTGTGTGAATCTCATAACCTAAGAGAGGAATTTATAGGCTTCTGCCTTATGAAGCCGATGCAG  
AAATTTTGGCTGTGAAATTTCACTATGATACTGAGAAGTGGGGATTAAATATGGAGTATTGTCGTGG  
CCAGGCTTACATTGTCTCTAGTGGATTTTCTCCAGAATGAAAGTTGTTGCTTCTAGACTTTTAGAGAAA  
TATCCCAAGCTATCTACACACTCTGCTCTTCTGTGCCTTAAATATGTGGTTGGCAAAATCAGTACCTG  
TTATGGGAGTATCTGTTGCATTAGGAACAATTGAGGAAGTTTGTCTTTTTTCCATCGATCACCACAAT  
GCTTTTAGAACTTGACAACGTAATTTCTGTTCTTTTTCAGAACAGTAAAGAAAGGGTAAAGAAGTGAAG  
GAAATCTGCCATTCTCAGTGGACAGGCAGGCATGATGCTTTTGAATTTTGTGGAAGTCTGCAAGCAC  
TTGTTTATGTTAGATGGTATAAATAGTGACACAAATATTAGATGGAATAACTATATAGCTGGCCGAGC  
ATTTGACTCTGCAGTGCAGTGTGAGATTTGATTTTCTGTTACTGTTGTTGTTCTTAAAAATGTCCTA  
TCTTTTACAAGAGCCTTTGGGAAAAACCTCCAGGGGCAAACTCTGATGTCTTCTTTCGGCCGGTAGCT  
TGACTGCAGTACTGCATTCACTCAACGAAGTATGGAATAATTGAAGTTTATCATGAATTTTGGTTTGA  
GGAAGCCACAAATTTGGCAACCAAACTTGATATTCAAATGAACTCCCTGGGAAATTCGCAGAGCTCAC  
CAGGGTAACCTTGAATCTCAGCTAACCTCTGAGAGTACTATAAAGAAACCTAAGTGTCCCAACAGTGG  
AGCACATTATTCAGGAACCTAAAGATATATTCTCAGAACAGCACCTCAAAGCTCTTAAATGCTTATCTCT  
GGTACCCTCAGTCATGGGACAACTCAAATCAATACGTCGGAGGAACACCATGCTGACATGTATAGAAGT  
GACTTACCCAATCCTGACACGCTGTGAGCTGAGCTTATTGTTGGAGAATCAAATGGAACACAGGGGGA  
AAGATATAGAGCTTCCGTCCACCATCTATGAAGCCCTCCACCTGCCTGACATCAAGTTTTTCTAATGT  
GTATGCATTGCTGAAGGTCTGTGATTTCTCTGTGATGAAGTTGAGAATGAGCGGTATGAAATGGA  
CGAAAGCGTCTTAAAGCATATTTGAGGAACACTTTGACAGACCAAGGTCAAGTAACTTGGCTTTGCTTA  
ACATAAATTTTGATATAAAACACGACCTGGATTTAATGGTGGACACATATATTAAGTCTATACAAGTAA  
GTCAGAGCTTCTACAGATAATTCCGAAACTGTGGAAAAATACC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC210314 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MPNFCAAPNCTRKSTQSDLAFFRFPRDPAQCQKWVENCRRADLEDKTPDQLNKHYRLCAKHFETSMICRT<br/>         SPYRTVLRDNIPTIFDLTSHLNNPHSRHRKRIKELSEDKIRTLKQKKIDETSEGEQKHKETNNSNAQNP<br/>         SEEEGEGQDEDILPLTLEEKENKEYLKSLFEILILMGKQNIPLDGHEADEIPEGLFTPDNFAQALLECRIN<br/>         SGEEVLRKRFFETTAVNTLFCSTQQRQMLEICESCIREEETLREVDRSHFFSIITDDVVDIAGEEHLPLV<br/>         RFVDESHNLREEFIGFLPYEADAEILAVKFHTMITEKWGLNMEYCRGQAYIVSSGFSSRMKVVASRLLEK<br/>         YPQAIYTLCSSCALNMWLAKSVPMGVSVLGTIEEVCSFFHRSPQLLLELDNVISVLFQNSKERGKELK<br/>         EICHSQWTGRHDAFEILVELLQALVLCCLDGINSNTNIRWNNYIAGRAFLCSAVSDFDFIVTVVVLKNVL<br/>         SFTRAFGKNLQGQTSDFFAAGSLTAVLHSLNEVMENIEVYHEFWFEEATNLATKLDIQMKLPGKFRRRAH<br/>         QGNLESQLTSESYKETLSVPTVEHIIQELKIDIFSEQHLKALKCLSLVPSVMGQLKFNTSEEHADMYRS<br/>         DLPNPDLSAELHCWRIKWKHRGKDIELPSTIYEALHLPDIKFFPNVYALLKVLCLPVMKVENERYENG<br/>         RKRLKAYLRNTLTDQRSSNLALLNINFIDIKHDLMLVDYTIKLYTSKSELPTDNSETVENT</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:             | NM_004705                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ORF Size:         | 2283 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer:           | PBS with 0.001% Pluronic F6569                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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_004705.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq Size:      | 3202 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq ORF:       | 2286 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Locus ID:         | 5612                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:       | <u>O43422</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:     | 11q13.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:               | 87.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |