

## Product datasheet for **RC228531A1V**

### Human THEMIS (NM\_001164685) AAV Particle

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | AAV Particles                            |
| Product Name:             | Human THEMIS (NM_001164685) AAV Particle |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | THEMIS                                   |
| Synonyms:                 | C6orf190; C6orf207; GASP; SPOT; TSEPA    |
| Mammalian Cell Selection: | None                                     |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)               |



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ORF Nucleotide  
Sequence:

>RC228531 representing NM\_001164685  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGCATTATCACTGGAAGAATTCGTCCACTCCCTTGACCTCAGGACCCTACCCAGGGTTCTAGAAATCC  
AGGCAGGCATCTATCTTGAAGGCTCTATTTATGAAATGTTTGGAAATGAATGCTGTTTTCAACAGGAGA  
AGTGATTAATAATTACTGGTCTCAAAGTTAAGAAGATCATAGCTGAAATTTGTGAGCAGATTGAAGGTTGT  
GAGTCTCTACAGCCATTTGAAGTGCCTATGAATTTCCAGGTCTTTTAAAGATTGTGGTGATAAACTC  
CATACCTTACTATGGAAGAAATCACAAGGACCATTCATATTGGACCAAGTAGACTAGGGCATCTTGCTT  
CTATCATCAGAAGGATATAAACTAGAGAACCTCATATAAGCAGGGTGAGCAAATCATGCTCAACTCA  
GTTGAAGAGATTGATGGAGAAATATGGTGAGCTGTGCAGTAGCAAGGAATCATCAAACCTCACTCATTTA  
ATTTGCCTTTGTACAAGAAGGAGAATTCTACGAGTGTGAAGATGAACGTATTTACACTCTAAAGGAGAT  
TGTTGAATGGAAGATTCCTAAGAACAGAACAACTGTAACCTTACAGATTTTCAAATAAGTGGGAC  
TCAACGAATCCATTTCTAAAGACTTTTATGGTACCCTGATTCTCAAGCCTGTTTATGAAATTCAGGTG  
TGATGAAATTTGAAAAGATATAATCCGCATCCTCCCCAGTCTAGATGTCGAAGTCAAAGACATCACTGA  
TTCTTACGATGCTAACTGGTTTCTTCACTGTTATCAACAGAAGATCTTTTGAATGACTAGTAAAGAG  
TTCCCCATAGTGACTGAAGTCATAGAAGCACCTGAAGGAAACCACTGCCCAAAGCATTTTACAGCCTG  
GGAAAACCATTTGATCCACAAAAGTACCAGGCATCAAGAATCTTAGCTTCAGAAATTAGAAGCAATTT  
TCCTAAAGACACTTCTTGATCCCCACTAGCTATAAAGGCAAGTTCAAGCGGCGACCGAGGGAGTTCCCA  
ACGGCCTATGACCTAGAGATCGCTAAGAGTGAAAAGGAGCCTCTTCACGTGGTGGCCACCAAAGCGTTTC  
ATTCCCCTCATGACAAGCTGTATCCGTATCTGTTGGGACCAGTTTCTGGTGCATCAGTCAGAGACGAC  
TGAAGTCCTCTGTGAGGGAATAAAAAAGTGGTGAATGTTCTGGCCTGTGAAAAAATCCTCAAAAAGTCC  
TATGAGGCTGCGCTGCTCCCTTTGTACATGGAAGGAGGTTTGTAGAGGTGATTCATGATAAGAAACAGT  
ACCCGATTTCTGAGCTCTGTAACAGTTCGGTTTGGCCTTCAATGTGAAGGTGTCTGTACGGGATCTTTC  
CATTGAAGAGGACGTGTTGGCTGCCACACCAGGACTGCAGTTGGAGGAGGACATTACAGACTCTTACCTA  
CTCATAAGTGACTTTGCCAACCCACGGAGTGTGGGAAATTCCTGTGGGCCGCTTGAATATGACTGTTC  
AGTTAGTTAGTAATTTCTAGGGATGCAGAACCATTTCTAGTCAGGACTCTGGTAGAAGAGATCACTGA  
AGAGCAATATTACATGATGCGGAGATATGAAAGCTCAGCCTCACATCCCCACCTCGCCCTCCGAAACAC  
CCCTCAGTAGAGGAAACAAAGTTAACCTGCTAACCTTAGCAGAAGAAAGGACGGTAGACCTGCCAAGT  
CTCCCAAGGCTGGAGTGAATGGCGTGATCTTGGCTCGCTGCAACCTCTGCCTCCCGGGTTCAAGCAATT  
CTCTGCCTCAGCTCCACGTAGCTGGGATTACAGGCACCCCCACCACGTCCAGCGTATCACGTAGAC  
ATAACCAAGAACTTCACCCAAATCAAGCTGGCTGGATTCAAAAGTACTGATTGGTAGTCAGAAATGATT  
TGGTGGATGAAGAGAAAGAAAGGAGCAACCGTGGGGCCACAGCAATAGCAGAAACATTCAAAAATGAAAA  
ACATCAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC228531 representing NM_001164685</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MALSLEEFVHSLDLRTLPRVLEIQAGIYLEGSIYEMFGNECCFSTGEVIKITGLKVKKIIAEICEQIEGC<br/> ESLQPFELPMNFPGLFKIVADKTPYL TMEIITRTIHIGPSRLGHPCFYHQDKIKLENLI IKQGEQIMLNS<br/> VEEIDGEIMVSCAVARNHQTHSFNLPLSQEGEFYECEDERIYTLKEIVEWKIPKNRTRTVNL TDFS NKWD<br/> STNPF PKDFYGT LILKPVEYEQGV MKFRKDIIRILPSLDVEVKDITDSYDANWFLQLLSTEDLFEMTSKE<br/> FPIVTEVIEAPEGNHLPQSILQPGKTIVIHKKYQASRILASEIRSNFPKRHFLIPTSYKGKFKRRRPREFP<br/> TAYDLEIAKSEKEPLHV VATKAFHSPHDKLSSVSGDQFLVHQSETTEVLCEGIKKVVNV LACEKILKKS<br/> YEAALLPLYMEGGFVEVIHDKKQYPISELCKQFRLPFNVKVSVRDL SIEEDVLAATPGLQEEDITDSYL<br/> LISDFANPTECWEIPVGRLNMTVQLVS NF SRDAEPFLVRTLVEEITEEQYMMRRYESSASHPPPPPKH<br/> PSVEETKL TLLTAEERTVDLPKSPKAGVQWRDLGSLQPLPPGFKQFSASASHVAGITGTPHHVQRHHVD<br/> ITKKLHPNQAGLDSKVLIGSQNDLVDEEKERSNRGATAIAETFKNEKHQK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:             | NM_001164685                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ORF Size:         | 2040 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer:           | PBS with 0.001% Pluronic F9470                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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_001164685.1, NP_001158157.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| RefSeq ORF:       | 2043 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Locus ID:         | 387357                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt ID:       | <u>Q8N1K5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:     | 6q22.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:               | 77.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |