

## Product datasheet for **RC222718A1V**

### Human MAD1 (MAD1L1) (NM\_001013836) AAV Particle

#### Product data:

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Product Type:             | AAV Particles                                   |
| Product Name:             | Human MAD1 (MAD1L1) (NM_001013836) AAV Particle |
| Tag:                      | Myc-DDK                                         |
| Symbol:                   | MAD1L1                                          |
| Synonyms:                 | MAD1; PIG9; TP53I9; TXBP181                     |
| Mammalian Cell Selection: | None                                            |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                      |



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## ORF Nucleotide Sequence:

>RC222718 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAAGACCTGGGGGAAAAACCATGGTTTTATCCACCCTGAGATCTTTGAACAACTTCATCTCTCAGC  
GTGTGGAGGGAGGCTCTGGACTGGATATTTCTACCTCGGCCCCAGGTTCTCTGCAGATGCAGTACCAGCA  
GAGCATGCAGCTGGAGGAAAGAGCAGAGCAGATCCGTTGGAAGTCCCACCTCATCCAGGTGGAGCGGGAG  
AAAATGCAGATGGAGCTGAGTCAACAAGAGGGCTCGAGTGGAGCTGGAGAGAGCAGCCAGCACCAGTGCCA  
GGAACACGAGCGTGAGGTGACCGCAACCAGGAGCTCCTGACGCGCATCCGGCAGCTTCAGGAGCGGGA  
GGCCGGGGCGGAGGAGAAGATGCAGGAGCAGCTGGAGCGCAACAGGCAGTGTGAGCAGAACTTGATGCT  
GCCAGCAAGAGGCTGCGTGAGAAAGAGGACAGTCTGGCCAGGCTGGCGAGACCATCAACGCACTGAAGG  
GGAGGATCTCGAACTGCAGTGGAGCGTGATGGACCAGGAGATCGGGTGAAGCGCCTGGAGTCGGAGAA  
GCAGGAGCTGCAGGAGCAGCTGGACCTGCAACACAAAAATGCCAGGAAGCCAATCAGAAAAATCCAGGAA  
CTCCAGGCCAGCCAAGAAGCAAGAGCAGACCACGAGCAGCAGATTAAGGATCTGGAGCAGAAGCTGTCCC  
TGCAAGAGCAGGATGCAGCGATTGTGAAGAATGAAGTCTGAGCTGGTACGGCTCCCTAGGCTGGAACG  
GGAGCTGAAGCAGCTGCGGGAGGAGAGCGCGCACCTGCGGGAGATGAGAGAGACCAACGGGCTGTCCAG  
GAAGAGCTGGAAGGGCTGCAGAGGAAGCTGGGGCGCCAGGAGAAGATGCAGGAGACGCTGGTTGGCTTG  
AGCTGGAGAACGAGAGGCTGCTGGCCAAGCTGCAAGCTGGGAGAGACTGGACCAGACCATGGGCTGAG  
CATCAGGACTCCAGAAGACCTTTCCAGATTCGTGGTTGAGCTGCAGCAGAGGGAGCTTGCCTTGAAGGAC  
AAGAACAGCGCGCTCACCAGCAGCGCCCGGGGGCTGGAGAAGGCCAGGCAGCAGCTGCAGGAGGAGCTCC  
GGCAGGTGAGCGCCAGCTGTTGGAGGAGAGGAAGAAGCGCGAGACCCACGAGGCGCTGGCCCGGAGGCT  
CCAGAAACGGGTCTGCTGCTCACCAGGAGCGGGACGGTATGCGGGCCATCCTGGGGTCTTACGACAGC  
GAGCTGACCCCGCCGAGTACTACCCAGCTGACGCGCGCATGCGGGAGGCTGAGGATATGGTGCAGA  
AGGTGCACAGCCACAGCGCCGAGATGGAGGCTCAGCTGTGCGAGGCCCTGGAGGAGCTGGGAGGCCAGAA  
ACAAAGAGCAGACATGCTGGAGATGGAGCTGAAGATGCTGAAGTCTCAGTCCAGCTCTGCCGAACAGAGC  
TTCCTGTTCTCCAGGGAGGAGGCGGACACGCTCAGGTTGAAGGTCGAGGAGCTGGAAGGCGAGCGGAGTC  
GGCTGGAGGAGGAAAAGAGGATGCTGGAGGCACAGCTGGAGCGGCGAGCTCTGCAGGGTGACTATGACCA  
GAGCAGGACCAAAGTGTGCACATGAGCCTGAACCCACCAAGTGTGGCCAGGCAGCGCTGCGCGAGGAC  
CACAGCCAGCTGCAGGCGGAGTGCAGCGACTGCGCGGGCTCCTGCGCGCATGGAGAGAGGAGGCACCG  
TCCCAGCCGACCTTGAGGCTGCGCCGCGAGTCTGCCATCGTCCAAGGAGGTGGCAGAGCTGAAGAAGCA  
GGTGGAGAGTCCGAGCTGAAGAACCAGCGGCTCAAGGAGTTTTCCAGACCAAGATCCAGGAGTTCCGC  
AAGGCTGCTACACGCTACCGGCTACCAGATCGACATCACCACGGAGAACCAGTACCGGCTGACCTCGC  
TGTACGCCGAGCACCCAGGCGACTGCCTCATCTTCAAGGCCACCAGCCCTCGGGTTCCAAGATGCAGCT  
ACTGGAGACAGAGTTCTCACACACCGTGGGCGAGCTCATCGAGGTGCACCTGCGGCGCCAGGACAGCATC  
CCTGCCTTCTCAGCTCGCTCACCTCGAGCTTTCAGCCGCCAGACCGTGGCG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC222718 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEDLGENTMVLSTLRSLNNFISQRVGGSGLDISTSAPGSLQMYYQQSMQLEERAEQIRSKSHLIQVERE<br/> KMQMELSHKRARVELERAASTSARNYEREVDNRQELLTRIRQLQEREAGAEKMQEQLERNRQCQQLDA<br/> ASKRLREKEDSLAQAGETINALKGRISELQWSVMDQEMRVKRLSEKQELQEQLDLQHKKCQEANQKIQE<br/> LQASQEARADHEQQIKDLEQKLSLQEQDAIIVKNMKSELVRLPRLERELKQLREESAHLREMRETNGLLQ<br/> EELEGLQRKLGRQEKMQETLVGLELENERLLAKLQSWERLDQTMGLSIRTPEDLSRFVVELQQRELALKD<br/> KNSAVTSSARGLEKARQQLQEELRQVSGQLLEERKKRETHEALARRLQKRVLLLTKERDGMRAILGSYDS<br/> ELTPAEYSPQLTRRMREAEDMVQKVHSHSAEMEAQLSQALEELGGQKQRADMLEMELKMLKSQSSSAEQS<br/> FLFSREEADTLRLKVEELEGEERSRLEEEKRMLEAQLERRALQGDYDQSRTKVLHMSLNPTSVARQLRED<br/> HSQLQAECERLRGLLRAMERGGTVPADLEAAAASLPSSKEVAELKKQVESAELEKNQRLKEVFQTKIQEFR<br/> KACYTLTGYYIDITTENQYRLTSLYAEHPGDCLIFKATSPSGSKMQLLETEFSHTVGELIEVHLRRQDSI<br/> PAFLSSLTLELFSRQTV</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ACCN:             | NM_001013836                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ORF Size:         | 2154 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Buffer:           | PBS with 0.001% Pluronic F8552                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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_001013836.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq Size:      | 2717 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq ORF:       | 2157 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Locus ID:         | 8379                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UniProt ID:       | <u>Q9Y6D9</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cytogenetics:     | 7p22.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MW:               | 83.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |