

## Product datasheet for **RC214749A1V**

### Human PDE7A (NM\_002603) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Human PDE7A (NM_002603) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | PDE7A                                |
| Synonyms:                 | HCP1; PDE7                           |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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**ORF Nucleotide Sequence:**

>RC214749 representing NM\_002603  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAATTACATTGATCTGGTGTCTGGCCTTGGTTCTTATCAAGTGGATCACCTCTAAGAGCGTGGAG  
 CTATTTCTATGACAGTTCTGATCAGACTGCATTATACATTCGTATGCTAGGAGATGTAGTGTAAGGAG  
 CCGAGCAGGATTTGAATCAGAAAAGAAGAGGTTCTCACCCATATATTGATTTTCGATTTTCCACTCTCAA  
 TCTGAAATTGAAGTGTCTGTCTCTGCAAGGAATATCAGAAGGCTACTAAGTTTCCAGCGATATCTTAGAT  
 CTTACAGCTTTTTTCGTGGTACTGCGGTTTCAAATCCCTAAACATTTTAGATGATGATTATAATGGACA  
 AGCCAAGTGTATGCTGGAAAAAGTTGAAAATTGGAATTTTGATATCTTTCTATTTGATAGACTAACAAAT  
 GGAAATAGTCTAGTAAGCTTAACCTTTCATTTATTTAGTCTTCATGGATTAATTGAGTACTTCCATTTAG  
 ATATGATGAAACTTCGTAGATTTTTAGTTATGATTCAAGAAGATTACCACAGTCAAAATCCTTACCATAA  
 CGCAGTCCACGCTGCGGATGTTACTCAGGCCATGCACTGTTACTTAAAGGAACCTAAGCTTGCCAATTCT  
 GTAACCTCTGGGATATCTTGCTGAGCTTAATTGCAGCTGCCACTCATGATCTGGATCATCCAGGTGTTA  
 ATCAACCTTTCCTTATTAATAACTAACCTTACTTGGCACTTTATACAAGAATACCTCAGTACTGGAAAA  
 TCACCACTGGAGATCTGCACTGGGCTTATTGAGAGAATCAGGCTTATTCTCACATCTGCCATTAGAAAGC  
 AGGCAACAAATGGAGACACAGATAGGTGCTCTGATACTAGCCACAGACATCAGTCGCCAGAATGAGTATC  
 TGTCTTTGTTTAGTCCCATTGGATAGAGGTGATTTATGCTAGAAGACACCAGACACAGACATTTGGT  
 TTTACAGATGGCTTTGAAATGTCTGATTTTGAACCATGTCGGACGTGGGAATTAAGCAAGCAGTGG  
 AGTAAAAAGTAACGGAGGAATCTTCCATCAAGGAGATATAGAAAAAATATCATTGGGTGTGAGTC  
 CACTTTGCGATCGTCACACTGAATCTATTGCCAACATCCAGATTGGTTTTATGACTTACCTAGTGGAGCC  
 TTTATTTACAGAATGGGCCAGGTTTTCCAATACAAGGCTATCCAGACAATGCTTGGACACGTGGGGCTG  
 AATAAAGCCAGCTGGAAGGGACTGCAGAGAGAACAGTCGAGCAGTGAGGACACTGATGCTGCATTTGAGT  
 TGAACCTCACAGTTATTACCTCAGGAAAAATCGGTTATCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC214749 representing NM\_002603  
 Red=Cloning site Green=Tags(s)

MGITLIWCLALVLIKWITSKRRGAI SYDSSDQTALYIRMLGDVVRVRSRAGFESERRGSHPYIDFRIFHSQ  
 SEIEVSVSARNIRRLLSFQRYLRSSRFRGTAVSNSLNILDDDYNQAKCMLEKVGNNWFDIFLFDRLTN  
 GNSLVSLTFHLFSLHGLIEYFHLDMMLRRFLVMIQEDYHSQNPYHNAVHAADVTQAMHCYLKEPKLANS  
 VTPWDILLSLIAAATHDLDPGVNQPFLLIKTNHYLATLYKNTSVLENHHWRSVAVGLLRESGLFSLPLES  
 RQQMETQIGALILATDISRQNEYL SLFRSHLDRGDLLEDTRHRHLVLQALKCADICNP CRTWELSKQW  
 SEKVTEEFFHQDIEKKYHLGVSP LDRHTESIANIQIGFMTYLVEPLFTEWARFSNTRL SQTMLGHVGL  
 NKASWGLQREQSSED TDAAFELNSQLLPQENRLS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:**

Human

**Serotype:**

AAV-2

**ACCN:**

NM\_002603

**ORF Size:**

1368 bp

**Buffer:**

PBS with 0.001% Pluronic F68

|                      |   |
|----------------------|---|
| <b>Stability:</b>    | 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. |
| <b>RefSeq:</b>       | <u><a href="#">NM_002603.1</a></u>  |
| <b>RefSeq Size:</b>  | 1739 bp   |
| <b>RefSeq ORF:</b>   | 1371 bp   |
| <b>Locus ID:</b>     | 5150  |
| <b>UniProt ID:</b>   | <u><a href="#">Q13946</a></u>   |
| <b>Cytogenetics:</b> | 8q13.1  |
| <b>MW:</b>           | 52.5 kDa  |