

## Product datasheet for **RC213502A1V**

### Human Cytochrome P450 2E1 (CYP2E1) (NM\_000773) AAV Particle

#### Product data:

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Product Type:             | AAV Particles                                               |
| Product Name:             | Human Cytochrome P450 2E1 (CYP2E1) (NM_000773) AAV Particle |
| Tag:                      | Myc-DDK                                                     |
| Symbol:                   | Cytochrome P450 2E1                                         |
| Synonyms:                 | CPE1; CYP2E; P450-J; P450C2E                                |
| Mammalian Cell Selection: | None                                                        |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                  |



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## ORF Nucleotide Sequence:

>RC213502 representing NM\_000773.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGCCCTCGGAGTCACCGTGGCCCTGCTGGTGTGGCGGCCCTTCTCTGCTGGTGTCCATGTGG
AGGCAGGTGCACAGCAGCTGGAATCTGCCCCAGGCCCTTCCCGCTTCCCATCATCGGGAACCTCTTC
CAGTTGGAATTGAAGAATATTCCCAAGTCTTCAACCGGTTGGCCAGCGCTTCGGGCGGCTGTTACAG
CTGTACGTGGGCTCGCAGCGCATGGTGGTATGCACGGCTACAAGCGGTGAAGGAAGCGCTGCTGGAC
TACAAGGACGAGTTCTCGGGCAGAGGCGACCTCCCCGCTTCCATGCGCACAGGGACAGGGAATCATT
TTTAATAATGGACCTACCTGGAAGGACATCCGCGGTTTTCCCTGACCACCTCCGGAATATGGGATG
GGGAAACAGGGCAATGAGAGCCGATCCAGAGGAGGCCCACTTCTGCTGGAAGCACTCAGGAAGACC
CAAGGCCAGCCTTTCGACCCACCTTCTCATCGGCTGCGCGCCCTGCAACGTATAGCCGACATCCTC
TTCCGCAAGCATTTTACTACAATGATGAGAAGTTTCTAAGGCTGATGTATTTGTTAATGAGAATTC
CACCTACTCAGCACTCCCTGGCTCCAGCTTACAATAATTTTCCAGCTTCTACACTACTTGCCTGGA
AGCCACAGAAAAGTCATAAAAAATGTGGCTGAAGTAAAAGAGTATGTGTCTGAAAGGGTGAAGGAGCAC
CATCAATCTCTGGACCCCACTGTCCCCGGGACCTCACCAGCTGCCTGCTCGTGGAAATGGAGAAGGAA
AAGCACAGTGCAGAGCGCTTGTACACAATGGACGGTATCACCGTACTGTGGCCGACCTGTTCTTTGCG
GGGACAGAGACCACCAGCACAACCTCTGAGATATGGGCTCCTGATTCTCATGAAATACCCTGAGATCGAA
GAGAAGCTCCATGAAGAAATTGACAGGGTGATTGGGCCAAGCCGAATCCCTGCCATCAAGGATAGGCAA
GAGATGCCCTACATGGATGCTGTGGTGCATGAGATTACGCGGTTTCATCACCTCGTGCCTCCAACTG
CCCCATGAAGCAACCCGAGACACCATTTTCAAGGATACCTCATCCCCAAGGGCACAGTCGTAGTGCCA
ACTCTGGACTCTGTTTCGTATGACAACCAAGAATTTCTGATCCAGAAAAGTTTAAAGCCAGAACATTC
CTGAATGAAAATGGAAAGTTCAAGTACAGTGACTATTTCAAGCCATTTTCCACAGGAAAACGAGTGTGT
GCTGGAGAAGGCCTGGCTCGCATGGAGTTGTTTCTTTGTTGTGTGCCATTTTGCAGCATTTTAATTTG
AAGCCTCTCGTTGACCCAAAGGATATCGACCTCAGCCCTATACATATTGGGTTTGGCTGTATCCACCA
CGTTACAAACTCTGTGTCATTCCCCGCTCA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

## Protein Sequence:

>Peptide sequence encoded by RC213502  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MSALGVTVALLVAAFLLLVSMWRQVHSSWNLP GPFLPIIGNLFQLELKNIPKSFTRLAQRF GPVFT
LYVGSQRMVVMHGYKAVKEALLDYKDEFSGRGDLP AFHAHRDRGIIFNNGPTWKDIRRSLTTLRNYGM
GKQGNESRIQREAHFLEALRK TQGQPFDPFTLIGCAPCNVIADILFRKHFDYNDEKFLRLMYLFNENF
HLLSTPWLQLYNNFPSFLHYLP GSHRKVIKNVAEVKEYVSERVKEHHQSLDPNCPRDLTDCLLVEMEKE
KHAERLYTMDGITVTVDLFFAGTETTSTTLRYGLLILMKYPEIEEKLHEEIDRVIGPSRIPA IKDRQ
EMPYMDAVVHEIQRFITLVPSNLPHEATRDITFRGYLIPKGTVVVPTLDSVSYDNQEFDPPEKFKPEHF
LNENGFKYSDFKPFSTGKRV CAGEGLARMELFLLLCAILQHFNKPLVDPKIDLSPIHIGFGCIPP
RYKLCVIPRS
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Recombinant protein using RC213502 also available, [TP313502](#)

## Species:

Human

## Serotype:

AAV-2

## ACCN:

NM\_000773

## ORF Size:

1479 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>NM_000773.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 1667 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1482 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 1571                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>UniProt ID:</b>   | <u>P05181</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 10q26.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 56.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |