

## Product datasheet for **RC213074A1V**

### Human EPS8L1 (NM\_133180) AAV Particle

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | AAV Particles                         |
| Product Name:             | Human EPS8L1 (NM_133180) AAV Particle |
| Tag:                      | Myc-DDK                               |
| Symbol:                   | EPS8L1                                |
| Synonyms:                 | DRC3; EPS8R1; PP10566                 |
| Mammalian Cell Selection: | None                                  |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)            |



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## ORF Nucleotide Sequence:

>RC213074 representing NM\_133180  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCACCGCCACAGGCCAGAAGCTGCCCCAAAGCCAAGCGCCAAGTCTATCTATGAGCAGAGGAAGC  
 GTTACTCCACAGTTGTTATGGCTGATGTATCCCACTACCCAGTCAATCACCTGGTGACGTTCTGCCTGGG  
 TGAGGACGATGGCGTGATACCGTGGAGGATGCCTCCAGGAAGTTGGCCGTCTGGATAGCCAGGCGCGA  
 GTCTGGGCACAGGAGATGCTGCTGCGAGTGTCTCCGACCATGTACGCTGCTCGACCCGGCCTCCAAGG  
 AGGAGCTGGAGTCGTACCACTGGGCGCCATCGTGCCTGTGACGCGGTGATGCCACCCGGCAGGAGCCG  
 CTCGTTGCTGCTGCTGCTGCCAGGAACCCGAGCGCGCGCAGCCGACGTGCACTTCTTCCAGGGCCTG  
 CGCCTCGGGCGGAGCTGATCCGAGAGGACATCCAGGGGGCTCTGCACAATTACCGCTCGGGCCGCGGGG  
 AGCGCAGGGCGGCGGCTCAGGGCCACGAGGAGGAGTTGCAGCGCGACCGCTCGCCCGCGCTGAGAC  
 CCCGCCCTGCAGCGCCCGCTCAGTCCGCGCAGTATCAGCACCGTAGAGCGGGCGCGGGCCCGGA  
 CGACCCAGGGCAAGCCATTCCCGAGGCAGAGGAGGCGCAGAGGCCTGAGCCGGTGGGGACCTCGAGCA  
 ACGCTGACTCGGCCTCCCGGACCTGGGTCCCCGGGTCTGACCTGGCGGTCTGACGCGGAGCGGGA  
 AGTGGACATCCTGAACCACGTGTTGACGACGTAGAGAGCTTTGTATCGAGGCTGCAGAACTCGGCGGAG  
 GCGGCCAGGGTCTGGAGCACCGGGAACGCGGCCGAGGAGCGCGCGCGGGCGGCTGGGGAGGGCTTGC  
 TGACGCTGCGGGCCAAGCCGCCCTCGGAGGCGGAGTACACCGACGTGCTGCAGAAATCAAGTACGCCTT  
 CAGCCTGCTGGCCCGGCTGCGCGGCAACATCGCCGACCCCTCCTCTCCGAGCTGTTGCACTTCTTTTC  
 GGGCCTCTGCAGATGATTGTGAACAGTCTGGGGGGGCGGAGTTCGCGAGCAGTGTGCGCGGCGGCATC  
 TGACATCGGATGCCGTGGCGCTGCTGCGGGACAACGTCACTCCACGTGAAAACGAGCTCTGGACCTCGCT  
 GGGGGACTCGTGGACCCGCCCGGGCTGGAGCTGTCCCCGGAGGAGGGACCCCATACAGACCCGAGTTC  
 TTCAGCGGCTGGGAGCGCGCGTCACTGACCCGACAGCCGCGCTGGGAGGACCCAGTTGAGAAACAGC  
 TACAGCACGAGCGGAGGCGCGGCAGCAAGCGCCCCCAGGTCGCTGTCAATGGTACCGAGACTTGGA  
 GCCAGAATCTGAGCCTCAGCTGGAGTCAGAGACAGCAGGAAAATGGGTCTGTGTAATTATGACTTCCAG  
 GCGCGAACAGCAGTGAAGTGTGCGTCAAGCAGCGGGACGTACTGGAGTCTGGATGACAGTCTGAAGT  
 GGTGGAAGTTTCGGGACCCAGCGGGGAGGAGGATATGTGCCCTACAACATCCTGACACCTACCCCGG  
 ACCCGGCTGCACACAGCCAAAGCCCTGCCCGCAGCCTGAACAGCACTCCTCCTCCACCACAGCCCCA  
 GCCCGGCCCCACCTCCAGCTCTGGCTCGGCCCGCTGGGACAGGCCCCGCTGGGACAGCTGCGATAGCC  
 TCAACGGCTTGACCCAGCGAGAAGGAGAAATTTCTCCAGATGCTCATCGTCAACGAGGAACTGCAGGC  
 GCGCCTGGCCAGGGCGGCTCGGACCGAGCCGCGCAGTCCCAGGGCCCCGCGCCCCGGAACCGCAGCTC  
 AGCCCGGGCTCGGACGCCTCCGAGGTCCGCGCCTGGCTGCAGGCCAAGGGCTTTAGCTCCGGGACCGTGG  
 ACGCGCTGGGTGTGCTGACCGGGGCGCAGCTTTTCTCGCTGCAGAAGGAGGAGCTGCGGGCGGTGAGCCC  
 CGAGGAGGGGGCACGTGTGTACAGCCAGGTACCGTGCAGCGCTCGCTGCTGGAGGACAAAGAGAAAGTG  
 TCAGAGCTGGAGGCAGTATGGAGAAGCAAGAAGGTGGAAGGCGAGGTGGAATGGAGGTCATT

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC213074 representing NM_133180</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MSTATGPAAAPKPSAKSIYEQRKRYSTVVMADVSYQYPVNLVTFCLGEDDGVHTVEDASRKLAVMDSQGR<br/>VWAQEMLLRVSPDHVTLLDPASKEELESYPLGAIVRCDVMPGRRSRLLLVCQEPERAQPDVHFFQGL<br/>RLGAELIREDIQGALHNYRSGRGERRAAALRATQEELQRDRSPAETPPLQRRPSVRAVISTVERGAGRG<br/>RPQAKPIPEAEEAQRPEPVGTSSNADSASPDLGPRGPDVLQAEREVDILNHVFDDVESFVSRLQKSAE<br/>AARVLEHRRERGRRSRRRAAGEGLLTLRAKPPSEAEYTDVLQKIKYAFSLLARLRGNIADPSSPELLHFLF<br/>GPLQMI VNTSGGPEFASSVRRPHLTSDAVALLRDNTPRENELWTS LGDSWTRPGLELSPEEGPPYRPEF<br/>FSGWEPPVTD PQSRAWEDPVEKQLQHERRRRQQSAPQVAVNGHRDLEPESEPQLESETAGKWVLCNYDFQ<br/>ARNSSSEL SVKQRDVLEVLDDSRKWKVRDPAGQEGYVPYNILTPYPGPRLHHSQSPARSLNSTPPPPAP<br/>APAPPPALARPRWDRPRWDSCDSLNGLDPSEKEKFSQMLIVNEELQARLAQGRSGPSRAVPGPRAPEPQL<br/>SPGSDASEVRAWLQAKGFSSGTVDALGVL TGAQLFSLQKEELRAVSPEEGARVYSQVTVQRSLLLEDKEKV<br/>SELEAVMEKQKKKVEGEVEMEVI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ACCN:</b>             | NM_133180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ORF Size:</b>         | 2169 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F6989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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_133180.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>      | 2543 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq ORF:</b>       | 2172 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Locus ID:</b>         | 54869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID:</b>       | <u>Q8TE68</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cytogenetics:</b>     | 19q13.42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MW:</b>               | 80.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |