

## Product datasheet for **RC205829A1V**

### Human NPL4 (NPLOC4) (NM\_017921) AAV Particle

#### Product data:

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | AAV Particles                                |
| Product Name:             | Human NPL4 (NPLOC4) (NM_017921) AAV Particle |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | NPLOC4                                       |
| Synonyms:                 | NPL4                                         |
| Mammalian Cell Selection: | None                                         |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                   |



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## ORF Nucleotide Sequence:

>RC205829 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**

ATGGCCGAGAGCATCATAATTCGTGTCCAGTCCCCGGATGGAGTGAAGCGGATCACAGCAACAAGAGAG  
 AAACAGCAGCAACATTTTAAAAAGGTTGCAAAGGAGTTGGCTTCCAAAATAATGGCTTCTCGGTTTA  
 CATCAATAGAAACAAGACCGGAGAGATAACAGCCTCCTCCAACAATCCCTCAACTTGCTAAAAATCAAG  
 CATGGCGATTTGTTGTTCTGTTCCCTCGAGCCTTGCTGGGCCCTCATCTGAAATGGAGACTTCAGTTC  
 CACCGGGCTTCAAAGTCTTTGGCGCTCCCAACGTGGTGGAGGATGAGATTGATCAGTACCTCAGCAACA  
 GGACGGGAAGATTTACAGAAGCCGAGACCCACAGCTATGCCGCCACGGCCCTTTGGGAAATGCGTGCAC  
 TGGCTCCCTCTAGAGCCATTGATGAGGACTATCTAAACCATCTCGAGCCTCCCGTGAAGCATGTCTCT  
 TCCACGCCTACATCCGAAGCTGACTGGAGGGGCTGACAAGGGGAAGTTTGTGCCCTGGAGAACATCAG  
 CTGCAAGATTAAGTCAGGGTGCAGGGGACCTCCCGTGGCCGAATGGCATCTGTACTAAGTGCCAGCCG  
 AGCGCCATCACGCTGAACAGACAGAAGTACAGGCATGTGGACAATATCATGTTTGAGAATCACACCGTCG  
 CTGACCGCTTTCTTGACTTCTGGAGAAAGACAGGGAACAGCATTTTGGTACTTATACGGACGGTACAC  
 GGAGCACAAGACATTTCCCTTGGCATCAGGGCTGAAGTGGCTGCGATTATGAGCCACCTCAGATTGGT  
 ACACAGAACAGCTTGGAGCTTCTTGAGGATCCAAAAGCTGAAGTGGTTCGATGAAATTGCTGCCAACTTG  
 GCCTGCGGAAGGTTGGCTGGATATTTACAGACCTCGTCTCAGAAGATACCCGAAAGGGTACCGTCCGCTA  
 CAGTCGAAATAAGGACACCTATTTCTAAGTTCAGAAGAGTGCATCACTGCAGGAGACTTCCAGAACAAG  
 CATCCCAACATGTGCCGGCTCTCTCCAGACGGACATTTTGATCCAAGTTTGTACTGCAGTGGCTACAG  
 GTGGTCTGACAACCAAGTCCACTTTGAAGGTACCAGGTGTCCAATCAGTGTATGGCACTGGTCCGTGA  
 TGAGTGTGTTGCTGCCATGCAAGGACGCCCGGAGCTTGCTACGCCAAGGAGTCTAGCAGTGAGCAGTAC  
 GTGCCTGATGTGTTTTATAAGGACGTAGACAAGTTTGGCAACGAGATCACCCAGCTGGCCCGTCCCTGC  
 CTGTGGAGTATCTCATCATAGACATCACAACAATTTCCCAAGGATCCAGTTTACATTTTTCTATTTT  
 GCAAAATCCATTTCTATTGAAAACCGGGATGTATTGGGTGAGACACAGGACTTCCATAGCTTGGCCACC  
 TATTTGTCTCAGAATACCTCATCTGTGTTCTTGGATACCATCTCAGATTTCCACCTCTTGCTGTTCTG  
 TCACCAATGAAGTTATGCCTCTGCAGGACAGCATCAGCTTGTCTGCTGGAGGCCGTGCGGACCAGAAATGA  
 GGAGCTCGCCAGACATGGAAGAGGTCTGAGCAGTGGGCCACCATCGAGCAGCTGTGCAGCACAGTTGGC  
 GGGCAGCTCCAGGTCTCATGAGTACGGGGCCGTGCGGGGCTCCACACACAGGCCACTGCAGCCATGT  
 GGGCCTGTGAGCACTGCAGTTCATGAACCAGCCAGGCACAGGCCACTGCGAGATGTGCAGCCTCCCGAG  
 GACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC205829 protein sequence  
 Red=Cloning site Green=Tags(s)

MAESIIRVQSPDGVKRIATKRETAATFLKKVAKEFGFQNNGFSVYINRNKTGEITASSNKSLLKLIK  
 HGDLLFLFPSSLAGPSSMETSVPPGFKVFGAPNVVEIDEIDQYLSKQDGKIYRSRDPQLCRHGPKVCVH  
 CVPLEPFDELYLNHLEPPVKHMSFHAYIRKLTGGADKGFVALENISCKIKSGCEGHLWPNGICTKCQP  
 SAITLNRQKYRHVDNIMFENHTVADRFLDFWRKTGNQHFGLYGRYTEHKDIPLGIRAEVAAIYEPPIG  
 TQNSLELLEDPKAEVVDEIAAKLGLRKVGWIFTDLVSEDTRKGTVRYSRNKDITYFLSSEECITAGDFQNK  
 HPNMCRLSPDGHFGSKFVTAVATGGPDNQVHFEGYQVSNQCMALVRDECLLPCKDAPELGYAKESSEQY  
 VPDVIFYKDVDFGNEITQLARLPVEYLIIIDITTFPKDPVYTFISQNPFPPIENRDVLGETQDFHSLAT  
 YLSQNTSSVFLDTISDFHLLFLVTNEVMPLQDSISLLLEAVRTRNEELAQTWKRSEQWATIEQLCSTVG  
 GQLPGLHEYGAVGGSTHTATAAMWACQHCTFMNPQGTGHCMSLPR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

## Species:

Human

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_017921                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 1824 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F5769                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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_017921.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 4401 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1827 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 55666                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>   | <u>Q8TAT6</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 17q25.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 68.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |