

## Product datasheet for **RC207752A1V**

### Human NKX2.8 (NKX2-8) (NM\_014360) AAV Particle

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | AAV Particles                                                     |
| Product Name:             | Human NKX2.8 (NKX2-8) (NM_014360) AAV Particle                    |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | NKX2.8                                                            |
| Synonyms:                 | Nkx2-9; NKX2.8; NKX2H                                             |
| Mammalian Cell Selection: | None                                                              |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                                        |
| ORF Nucleotide Sequence:  | >RC207752 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCACCTCTGGACGCCTGAGCTTCACCGTGCGCAGCCTTCTAGATTTACCCGAGCAGGACGCGCAAC  
ACCTGCCGAGGCGGGAGCCAGAACACGCGCCCCAGCCCGACCCCTGCGCCGCTGGCTGGATTTCGGA  
GCGCGGCCACTACCTTCCTCGGACGAGAGCAGCCTGGAGACCAGCCGCCAGACTCGTCGACGCGGCCG  
TCCGCTAGGCCCCGCTCTCCGGGCTCGGACGCCGAGAAAAGGAAGAAGCGGCGGGTGCTATTCTCCAAGG  
CGCAGACGCTGGAGTTGGAGCGCGCTTCCGGCAGCAGCGGTACCTGTCTGCGCCGAGCGCGAGCAGCT  
GGCGAGCCTGCTTCGCTCACGCCCACGAGGTCAAGATCTGGTTCCAGAATCATCGCTACAAGCTGAAG  
CGCGCTCGCGCTCCAGGGGCGGCGGAGTCGCTGACCTGGCAGCATCCGCCGAGCTGCACGCCGCGCCCG  
GCCTGCTGCGTCGCTGGTGGTGCCGGTGCTTGTTCGCGACGGGCAGCCGTGCGGCGGCGGCGGCGGTGG  
CGAGGTGGGAACCGCGCGGCCAGGAGAAGTGCGGCGCCCTCCAGCCGCCGCTGCCCTCTGCCGGGC  
TACCTGCCTTCGGTCCCGGCTCGGCGCTTGGCTCTTCCCCGCTACCAGCACTTAGCATCCCCCGCC  
TGGTCTCCTGGAATGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC207752 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MATSGRLSFTVRSLLDLPEQDAQHLPRREPEPRAPQPDPCAAWLDSERGHYPSSDESSLETSPPDSSQRP<br/> SARPASPGSDAEKRKKRRVLF SKAQTLERFRQRYLSAPEREQLASLLRL TPTQVKIWFQNHRYKLK<br/> RARAPGAAESPDLAASAE LHAAPGLLRVVVPVLVRDGGQPCGGGGGGEVGTAAAEKCGAPPAACPLPG<br/> YPAFGPGSALGLFPAYQHLASPALVSWNW</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>                                                                                     |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>             | NM_014360                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>         | 717 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Buffer:</b>           | 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_014360.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>      | 1857 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>       | 720 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>         | 26257                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID:</b>       | <u>O15522</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b>     | 14q13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>               | 25.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |