

## Product datasheet for RC200172A1V

### Human C12orf41 (KANSL2) (NM\_017822) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | C12orf41                   |
| Synonyms:      | C12orf41; NSL2             |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:** >RC200172 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAGAAGACCAACCCAGGGCCTGTGGGTGAAACACTCCTGTGCCAGCTGAGCTCATATGCTAAGACAG  
AGCTGGGGTCTCAGACTCCAGAAAGTAGTCGCAGTGAAGCCAGCCGAATACTAGATGAAGACAGCTGGAG  
TGATGGGGAGCAGGAACCCATTACTGTGGATCAGACATGGAGAGGTGACCCTGACAGTGAAGCTGATAGC  
ATAGACAGTGATCAAGAAGATCCCCTAAAACATGCTGGTGTCTACACAGCAGAAGAAGTGGCCCTGATTA  
TGCGTGAAGGCTAATTCGTTTGCAGTCGTTGTATATTGATCAGTTAAACGACTTCAGCATCTGCTCAA  
GGAGAAGAAGCGCCGATACTTACATAATCGCAAAGTGAACATGAAGCTCTAGGCAGTAGTCTCCTGACT  
GGCCAGAGGGGACTTTTGGCCAAAGAACGAGAGAAGTAAAGCGATTAAATGTCTGCGACGATACCGCC  
AGCGCTATGGAGTGAAGCCTTACTGCATAGGCAGTTGAAGGAACGAGAATGCTGGCCACAGATGGTGC  
TGCCCAACAGGCCCATACCACTCGTTCCAGTCAGAGGTGCTTGGCCTTTGTGGATGATGTTCTGTTTCC  
AATCAGTCTCTTCAATGACCAGACACTGCCTTACCCATATTGTGAGGATACGAATCAGGTTCTCTTCA  
AGTGCTGCCAGGGATCTGAAGAGGTACCCTGCAACAAACCTGTTCTGTAAAGCCTCTCTGAGGATCCCTG  
CTGCCCACTGCATTTCCAGTTGCCTCCTCAGATGTATAAGCCCGAGCAGGTACTGTCTGTGCCAGACGAT  
CTGGAAGCCGGCCCATGGATCTGTACTTGAGTGCTGCTGAGCTTCAGCCCACTGAGAGTTTACCTCTGG  
AGTTTCAGTGATGACTTGGATGTTGTGGGTGATGGTATGCAGTGCTCCTCCTTACCTTTGCTTTTGTATCC  
TTCACCTAACCTTTGAAGATCATTAGTCAAAGAAATTGCTGAAGACACAGTGGATATTTTGGGCCAGATG  
CAGATGGCTGGAGATGGGTGCAGATCCCAGGGATCTCGAAATTCTGAGAAAGCCTCTGCACCATTTGTCTC  
AGAGTGGATTGGCTACTGCAATGGGAAGCCAGAACCCTTCTATTAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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| <b>Protein Sequence:</b> | <p>&gt;RC200172 protein sequence<br/> <span style="color: red;">Red</span>=Cloning site <span style="color: green;">Green</span>=Tags(s)</p> <p>MKKTNPGPVGETLLCQLSSYAKTELGSQTPESSRSEASRILEDSDGGEQEPITVDQTRGDPDSEADS<br/> IDSDQEDPLKHAGVYTAEEVALIMREKLIRLQSLYIDQFKRLQHLLKEKKRRYLHNRKVEHEALGSSLLT<br/> GPEGLLAKERENLKRLKCLRRYRQRYGVEALLHRQLKERRMLATDGAAQQAHTTRSSQRCLAFVDDVRCS<br/> NQSLPMTRHCLTHICQDTNQVLFKCCQGSEEVPCNKPVPVSLSEDPCCPLHFQLPPQMYKPEQVLSVPDD<br/> LEAGPMDLYLSAAELQPTESLPLEFSDDL DVVGDMQCPPSPLLFDPSTLEDHLVKEIAEDTVDIGQM<br/> QMAGDGCRSQGSRNSEKASAPLSQSGLATANGKPEPTSIS</p> <p><span style="color: red;">TR</span><span style="color: green;">TRPLEQKLI</span>SEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ACCN:</b>             | NM_017822                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ORF Size:</b>         | 1170 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_017822.3, NP_060292.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq Size:</b>      | 2402 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>       | 1479 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Locus ID:</b>         | 54934                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID:</b>       | <u>Q9H9L4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>     | 12q13.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MW:</b>               | 43.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |