

## Product datasheet for **RC203922A1V**

### Human TMEM24 (C2CD2L) (NM\_014807) AAV Particle

#### Product data:

|                           |                                                |
|---------------------------|------------------------------------------------|
| Product Type:             | AAV Particles                                  |
| Product Name:             | Human TMEM24 (C2CD2L) (NM_014807) AAV Particle |
| Tag:                      | Myc-DDK                                        |
| Symbol:                   | C2CD2L                                         |
| Synonyms:                 | DLNB23; TMEM24                                 |
| Mammalian Cell Selection: | None                                           |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                     |



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## ORF Nucleotide Sequence:

>RC203922 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCCGGGCTGGGGGACGCGGACGTGGGCTGGGCGGCCTTGCTGATCCTCTTCGCCGCTCGCTGC  
TCACGGTGTTTCGCTGGCTGCTGCAATATGCCCCGGGCTTGTTGGCTGGCGCGGGCCGCGGGGACCGGG  
CCCGGGACCGCTTAGCCGGGAACCCGCGGGTTCCTGCGGGAGCTGGGCGTGTGGCGCTCGCTGCTG  
CGGCTGCGGGGACTCGGGCTGGCGCCGCCGAGGAGCCAGGAGTCCGGGGCTCTGGCGTCACTCTTCG  
CCTTCAAGTCTTTCGGGAGAACTGGCAGCGGGCTTGGGTGCGAGCGCTGAACGAGCAGGCTGCAGAAA  
CGGGAGCTCCATCCAAATCGCCTTTGAGGAGGTGCCCCAACTCCACCCAGAGCCAGCATCAGTCATGTG  
ACCTGCGTAGACCAATCTGAGCATAACATGGTGTGCGTTGCCAGCTCTCTGCTGAGGAGGTGCGGTTCC  
CAGTCTCTGTGACCCAGCAGTCCCCGCTGCCGTCTCCATGGAGACCTACCACGTCACTCTGACACTGCC  
ACCAACACAGTTGGAAGTCAACCTGGAGGAAATCCCTGGTGGGGGCTGCTCATATCCTGGGCTTCACT  
GATCGCCAGATCTCAGCCTAACGGTGCTTCCCAAGCTTCAGGCCAGGGAGAGAGGTGAAGAACAAGTGG  
AGCTCTCCACAATTGAGGAATGATCAAGGATGCCATAGTCAGCACCCAGCCAGCCATGATGGTCAACCT  
CAGGGCTTGCTCTGCCCCAGGAGGCTGGTACCCAGTGAGAAGCCACCCATGATGCCCCAGGCTCAGCCA  
GCCATCCCCAGACCTAACCGTTATTCTACGGCAGCTTCGGGCATCTCACTTGGGAAATGAGCTGGAAG  
GCACCGAGGAAGTGTGCTGTGTAGTGAACCGACAACCCATGCAGCAGAAAGTGGACCAAGCCCGCGAG  
GGCTGGATCCGAGGTGGAGTGGACAGAAAGACCTGGCACTGGATCTGGGCCCCAGAGCCGGGAGCTGACC  
CTCAAAGTGCTGAGGAGCAGCAGCTGTGGAGACACCGAACTCCTAGGCCAGGCCACACTGCCTGTGGGCT  
CCCCCTCCAGACCACTGTCTCGAAGACAGTTGTGCCACTCACCCAGGGCCAGGGAAGCCCTGGGACC  
AGCAGCCACCATGGCAGTGGAGCTTCACTATGAGGAGGGCTCTCCCCGGAACCTGGGTACTCCACCTCC  
TCCACTCCACGCCCCAGCATCACACCTACCAAGAAGATTGAGCTTGACCGGACCATCATGCCCGATGGCA  
CCATTGTCAACACAGTCAACCTGTCCAGTCCCGGCCCGTATAGACGGCAAATTAGACTCCCCCTCCCG  
CTCCCCGTCCAAGGTGGAGGTGACCGAGAAGACGACAAGTGTGCTGAGTGAGAGCAGTGGCCCCAGCAAT  
ACCTCCCATAGCAGCAGCCGGGACAGCCACCTTTCAACGGCTTGACCCCTGTAGCAGAGACAGCGATT  
GCCAGCTGACAGAGCCAGTGGGCGGGTGGCCAAGAAGACACCCACCAAGCGCAGCACTCTCATCATCTC  
TGGTGTTTCCAAGGTGCCATTGCTCAGGACGAGTTGGCGCTATCCCTGGGCTATGCGGCATCCCTGGAA  
GCCTCAGTGCAGGATGATGCAGGAGCAGCGGAGGCCCTCTTCACTCCCTCAGACCCACCAGCCATGT  
CTCCAGGACCGCTAGATGCCCTCTCTAGTCCCACAAGTGTCCAGGAAGCAGACGAGACAACCCGTTCCGA  
TATTTCTGAGAGGCCATCTGTGGATGATATTGAGTCGGAACGGGGTCCACTGGTGCCCTGGAGACCCGC  
AGCCTCAAGGATCACAAGTGAGTTTCTGCGCAGCGGCACTAAGCTCATCTTCCGCCGGAGGCCATAGGC  
AGAAGGAAGCTGGCCTGAGCCAATCACACGATGACCTCTCAACGCAACGGCCACGCCAGTGTCCGAAA  
GAAGGCCGGCAGCTTTTCTCGCCGCTTATCAAGCGCTTTTCTTCAAATCCAAACCAAGGCCAATGGT  
AACCCAGCCCCCAGCTC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC203922 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MDPGWGQRDVGWAAALLILFAASLLTVFAWLLQYARGLWLARARGDRGPGPALAGEPAGSLRELGVWRSLL<br/> RLRATRAGAAEPPGVRGLLASLFAFKSFRENWQRAWVRALNEQACRNGSSIQIAFEEVPQLPPRASISHV<br/> TCVDQSEHTMVLRCQLSAEEVRFVSVTQQSPAASVSMETVYHVTLLPPTQLEVNLEEIPGEGLLISWAF<br/> DRPDLSTVLPKLQARERGEQVELSTIEELIKDAIVSTQPMVMNLRACAPGGLVPSEKPPMPQAQP<br/> AIPRPNRLFLRQLRASHLGNELEGTEELCCVAELDNPMQKWKTPARAGSEVEWTEDLALDLGPQSRELT<br/> LKVLRSSSCGDTELLGQATLPVGSPSRPLSRRQLCPLTPGPGKALGPAATMAVELHYEEGSPRNLTPTS<br/> STPRPSITPTKKIELDRTIMPDGTIVTTVTTVQSRPRIDGKLDSPSRSPSKVEVTEKTTTVLSESSGPSN<br/> TSHSSSRDHLNGLDPVAETAIRQLTEPSGRVAKKTPTKRSTLIISGVSKVPIAQDELALSLGYAASLE<br/> ASVQDDAGTSGGPSSPPSDPPAMSPGLDALSSPTSVQEADETTRSDISERPSVDDIESETGSTGALETR<br/> SLKDHKVSFLRSGTKLIFRRRPQKEAGLSQSHDDL SNATATPSVRKKAGSFRRRLIKRFSFKSKPKANG<br/> NPSPQL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ACCN:             | NM_014807                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ORF Size:         | 2118 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer:           | PBS with 0.001% Pluronic F5500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Stability:        | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq:           | <u>NM_014807.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq Size:      | 3402 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq ORF:       | 2124 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Locus ID:         | 9854                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt ID:       | <u>O14523</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cytogenetics:     | 11q23.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MW:               | 76.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |