

## Product datasheet for **RC225839A1V**

### Human TC2N (NM\_001128595) AAV Particle

#### Product data:

|                |                                  |
|----------------|----------------------------------|
| Product Type:  | AAV Particles                    |
| Tag:           | Myc-DDK                          |
| Symbol:        | TC2N                             |
| Synonyms:      | C2CD1; C14orf47; MTAC2D1; Tac2-N |
| Mammalian Cell | None                             |
| Selection:     |                                  |
| Vector:        | pAAV-AC-Myc-DDK (PS100089)       |



**ORF Nucleotide Sequence:** >RC225839 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCAACAGAATTTATAAAGAGTTGCTGTGGAGGATGTTTCTATGGTGAACAGAAAAACACAACCTTTT  
 CTGTGGAAAGAGATTTTAAAGCAGCAGTCCCAAATAGTCAAAATGCTACTATCTCTGTACCTCCATTGAC  
 TTCTGTTTCTGTAAAGCCTCAGCTTGGCTGTACTGAGGATTATTTGCTTCCAAATTACCATCTGATGGC  
 AAAGAAGTACCATTTGTGGTGCCCAAGTTTAAGTTATCTTACATTAACCCAGGACACAAGAAATCCTT  
 CACATCTGGAAGAACTTGAAGGATCTGCCAGAGCATCTTTGGAGATCGAAAGGTAGAACTTCCAGTTC  
 ATCCCAGCAGGACCTAGCTATGATGTGTATAACCCATTCTATGTATCAGCACATTTCACTGATTTG  
 AGTCGACGCTTTCCTCCCGTTCAGAAGTGACGAGACTGTATGGATCGGTTTGTGATTTAAGGACGAACA  
 AACTTCCCGGTTCCCTGGGCTAAGCAAATCTATGTTGATCTTACAACTCATCTCAGCGATTCATCCA  
 GAGACATGATTCATTGTCCAGTGATCCAGTAGTCTTCTTCAAGGAAAAATTCTCAGGGGAGTAACAGA  
 AGCCTGGATACAATTACTCTATCAGGAGATGAAAGGGACTTTGGGAGACTGAATGTGAAATTGTTTATA  
 ATTCTTCAGTAGAACAGATCTGGATCACAGTTTTACAGTGCAGAGATTTAAGTTGGCCCTCTAGTTATGG  
 AGACTCTCTACTGTTTCTATAAAGGAATACTTACATTGCCAAACAGTGCATTTCAAATCTTCAGCC  
 AAGGAAGGTTCCAACGCTATTGAATTTATGGAACGTTTGTATTGCTATTAACCTCAAATCTACAAA  
 CTGTAAGACTTGATTTAAGATTCAAACCCAGACTCCAGGAAGAAAACCATTTGGAGAATGCTCAATGTC  
 ACTCAGAACCCTTAGCACACAGGAAATGGATTACTCTTTGGATATAACACCACCTTCAAAAATTTCTGTT  
 TGCCATGCAGAACTGAATTGGGGACTTGTTCAGCAGTAAATAGCAGAATTCAGTTACAAATCTTG  
 AGGCACGCTACCTCCAAGCTCATCAACACCTCTGACTTTGAGTTTTTCGTGAAGGTGGGAATGTTTAG  
 CTCGGGAGAGTTGATTTATAAGAAAAAGACACGCTTACTGAAGGCCTCCAATGGAAGAGTCAAGTGGGA  
 GAGACTATGATTTTCCACTTATACAGAGTGAAAAAGAAATGTTTTTCTCATTAAAGCTTTACAGTCGAA  
 GCTCTGTAAGAAGAAAACATTTGTGGGCCAGATTTGGATAAGTGAAGACAGTAATAACATTGAAGCAGT  
 GAACGAGTGGAAAGAGACAGTAATAATCCAGAAAAGTTGTTATCAGGTGGCACAATTAATCCATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC225839 protein sequence  
 Red=Cloning site Green=Tags(s)

MATEFIKSCCGCFYGETEKHNFVSVERDFKAAVPNSQNATISVPPLTSVSVKPKQLGCTEDYLLSKLPSDG  
 KEVPFVVPKFKLSYIQPRTQETPSHLEELGEGSARASFDRKVELSSSSQHGPSYDVYNPFYMYQHISPD  
 SRRFPFRSEVTRLVGSVCDLRTNKLPGSPGLSKSMFDLTNSSQRFIQRHDSLSSVPSSSSSRKNSQGSNR  
 SLDTITLSGDERDFGRLNVKLFYNSSVEQIWIIVLQCRDLWPSSYGDPTVSIKILTLPKPVHFKSSA  
 KEGSNAIEFMETVFVFAIKLQNLQTVRLVFKIQQTTPRKKTIGECSMSLRTLSTQEMDYSLDITPPSKISV  
 CHAELELGTCTFQAVNSRIQLQILEARYLPSSSTPLTLFFVKVGMFSSGELIYKKKTRLLKASNGRVKVG  
 ETMIFPLIQSEKIVFLIKLYSRSSVRRKHVFGQIWISEDSNNIEAVNQWKETVINPEKVVIRWHKLNPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM\_001128595

**ORF Size:** 1470 bp

**Buffer:** 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>       | <a href="#">NM_001128595.1</a> , <a href="#">NP_001122067.1</a>                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>  | 5034 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1473 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 123036                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <a href="#">Q8N9U0</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cytogenetics:</b> | 14q32.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW:</b>           | 55.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |