

## Product datasheet for **RC202474A1V**

### Human TLE2 (NM\_003260) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human TLE2 (NM_003260) AAV Particle |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | TLE2                                |
| Synonyms:                 | ESG; ESG2; GRG2                     |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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## ORF Nucleotide Sequence:

>RC202474 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTACCCCCAGGGAAGGCACCCGACCCCGCTCCAGTCCGGCCAGCCCTTCAAGTTCTCGATCTTGAGA  
TCTGCGACCGCATCAAAGAAGAATTCCAGTTTCTTCAGGCTCAATACCACAGCCTCAAGCTAGAATGTGA  
GAAGCTGGCCAGCGAGAAGACGGAATGCAGCGACATTATGTCATGTATTATGAGATGTCGTACGGGCTC  
AACATTGAAATGCATAAGCAGGCGGAGATTGTGAAGCGTCTGAGCGGTATCTGCGCTCAGATTATCCCT  
TCCTGACCCAGGAGCATCAGCAGCAGGTGCTCCAGGCCGTAGAACGCGCCAAGCAGGTACCGTGGGGGA  
GCTGAACAGCCTCATCGGCAGCAGCTCCAGCCGCTGTCCACCACGCACCCCTGTGCCCTCACCCCC  
CGCCACGCGGGCTGGTGGGCGGCAGTGCTACGGGGCTGCTTGCTCTGTCTGGAGCCCTGGCTGCCCAGG  
CTCAGCTGGCGCGGCTGTCAAGGAGGACCGTGCGGGCTGGAGGCCGAGGGGTCCAGAGTGGAGAGAGC  
CCCAGCAGGAGTGCATCTCCCTCGCCCTGAGAGTCTCGTGGAGGAGGAGCGACCGAGTGGCCCTGGT  
GGTGGCGGGAAGCAGAGAGCAGATGAGAAGGAGCCATCAGGACCTTATGAAAGCGACGAAGACAAGAGTG  
ATTACAATCTGGTGGTGGACGAGGACCAACCCTCAGAGCCCCCAGCCCGGTACCAACCCCTGCGGAAA  
GGTACCCATCTGCATTCTGCCGTGCGGACCTGGTGGACAGTCCAGCCTCCTTGGCCTCTAGCCTTGGC  
TCACCGCTGCCTAGAGCCAAGGAGCTCATCCTGAATGACCTTCCCGCCAGCACTCCTGCCTCAAATCCT  
GTGACTCCTCCCCGCCCAGGACGCTTCCACCCCGGGCCAGCTCGGCCAGTCACCTCTGCCAGCTTGC  
TGCCAAGCCAGCACCTTCCACGGACAGCGTCGCCCTGAGGAGCCCCCTGACTCTGTCCAGTCCCTTACC  
ACGTCCTTCAGCCTGGGCTCCACAGCACTCTCAACGGAGACCTCTCCGTGCCAGCTCCTACGTACGCC  
TCCCATGTCCCCCAGGTGAGCAGCTCTGTGGTGTACGGAGCGTCCCCGTGATGGCATTGTAGTCTCA  
TCCCCATCTCCGAGGGTCATCCGTCTCTTCTCCCTACCCAGCATCCCTGGGGGAAAGCCGGCCTACTCC  
TTCCACGTGTCTGCGGACGGGCAGATGCAGCCGGTTCCCTTCCCTCGGATGCACTGGTAGGCGCGGGCA  
TCCCGCGGCACGCCCGGAGCTGCACACGCTGGCCATGGCGAGGTGGTCTGCGCGGTACCATCAGCGG  
CTCCACACAGCATGTGTACAGGGCGGCAAGGGCTGTGTGAAGGTGTGGGACGTGGGCCAGCCTGGGGCC  
AAGACGCCCCTGGCCAGCTCGACTGCCTGAACCGAGACAACCTACATTCGTTCTGCAAGTTGCTGCCGG  
ATGGCCGGAGTCTGATCGTGGGCGGTGAGGCCAGCACCTTGTCATTTGGGACCTGGCGGCGCCACCCC  
CCGTATCAAGGCCGAGCTGACTTCTCAGCCCCAGCCTGCTACGCCCTGGCCGTACGCCCGACGCCAAG  
GTTTGCTTCTCCTGCTGCAGCGATGGCAACATTGTGGTCTGGGACCTGCAGAATCAGACTATGGTCAGGC  
AGTTCCAGGGCCACAGGACGGCGCCAGCTGCATTGATATTTCCGATTACGGCACTCGGCTCTGGACAGG  
GGGCTGGACAACACGGTGCCTGCTGGGACCTGCGGGAGGGCCGCGAGCTGCAGCAGCATGACTTCAGC  
TCCCAGATTTTCTCCCTGGGCCACTGCCTAACCAGGACTGGCTGGCGGTGCGAATGGAGAGTAGCAACG  
TGGAGATCCTGCACGTCCGCAAGCCGGAGAAATACCAGCTGCACCTCCACGAGAGCTGCGTGTGTCCCT  
GAAGTTTGCTCCTGCGACGGTGGTTTGTGAGCACGGGAAGGACAACCTGCTCAACGCTGGAGGACG  
CCGTACGGGGCCAGCATTTTCCAGTCCAAGGAGTCGTCCTCAGTCCTGAGTTGTGACATCTCCAGAAATA  
ACAAATACATCGTGACAGGCTCGGGGGACAAGAAGGCCACCGTGTATGAGGTGGTCTAC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC202474 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p> MYPQGRHPTPLQSGQPFKFSILEICDRIKEEFQFLQAQYHSLKLECEKLASEKTEMQRHYVMYYEMSYGL<br/> NIEMHKQAEIVKRLSGICAQIIPFLTQEHQQQVLQAVERAKQVTGELNSLIGQQLQPLSHHAPPVPLTP<br/> RPAGLVGGSATGLLALSGALAAQAQLAAVKEDRAGVEAEGSRVERAPSRASPSPPESLVEEERPSGPG<br/> GGGKQRADEKEPSGPYESDEDKSDYNLVVDEDQPSPEPPSPATTPCGKVPICIPARRDLVDSPASLASSLG<br/> SPLPRAKELILNDLPASTPASKSCDSSPPQDASTPGPSSASHLCQLAAKPAPSTDVALRSPLTLSSPFT<br/> TSFSLGSHSTLNGDLSVPSSYVSLHLSPOVSSSVYGRSPVMAFESHPLRGSSVSSSLPSIPGGKPAYS<br/> FHVSADQMOPVPFSDALVGAGIPRHARQLHTLAHGEVVCVAVTISGSTQHVYTGGKGCYKVDVGQPGA<br/> KTPVAQLDCLNRDNYIRSKLLPDGRSLIVGGEASTLSIWDLAAPTPIKAELTSSAPACYALAVSPDAK<br/> VCFSCSDGNIVVDLQNTMVRQFQGHDTGASCIDISDYGTRLWTGGLDNTVRCWDLREGRQLQQHDFS<br/> SQIFSLGHCPNQDWLAVGMESSNVEILHVRKPEKYQLHLHESCVLSLKFAFCGRWFVSTGKDNLLNAWRT<br/> PYGASIFQSKESSSVLSCDISRNNKYIVTGSGDKKATVYEVVY </p> <p> TRTRPLEQKLISEEDLAANDILDYKDDDDKV </p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ACCN:             | NM_003260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Size:         | 2229 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buffer:           | PBS with 0.001% Pluronic F5341                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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_003260.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq Size:      | 2722 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RefSeq ORF:       | 2232 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Locus ID:         | 7089                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt ID:       | <u>Q04725</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cytogenetics:     | 19p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MW:               | 79.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |