

## Product datasheet for **RC223318A1V**

### Human SLC47A2 (NM\_001099646) AAV Particle

#### Product data:

|                |                                 |
|----------------|---------------------------------|
| Product Type:  | AAV Particles                   |
| Tag:           | Myc-DDK                         |
| Symbol:        | SLC47A2                         |
| Synonyms:      | MATE2; MATE2-B; MATE2-K; MATE2K |
| Mammalian Cell | None                            |
| Selection:     |                                 |
| Vector:        | pAAV-AC-Myc-DDK (PS100089)      |



**ORF Nucleotide Sequence:** >RC223318 representing NM\_001099646  
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGACAGCCTCCAGGACACAGTGGCCCTGGACCATGGGGGCTGCTGCCCTGCCCTCAGCAGGCTGGTTC  
 CCAGAGGCTTTGGGACTGAGATGTGGACTCTCTTGGCCCTTTCTGGACCCCTGTTCCCTGTTCCAGGTGCT  
 GACTTTTATGATCTACATCGTGAGCACTGTGTTCTGCGGGCACCTGGGCAAGGTGGAGCTGGCATCGGTG  
 ACCCTCGCGGTGGCCTTTGTCAATGTCTGCGGAGTTTCTGTAGGAGTTGGTTTGTCTTCGGCATGTGACA  
 CCTTGATGTCTCAGAGCTTCGGCAGCCCCAACAAGAAGCACGTGGGCGTGATCCTGCAGCGGGGCGCGCT  
 GGTCCTGCTCCTCTGCTGCCTCCCTTGGTGGGCGCTCTTCTCAACACCCAGCACATCCTGCTGCTCTTC  
 CGGCAGGACCCGGACGTGTCCAGTTGACCCAGGACTATGTAATGATTTTCATTCCAGGACTTCCGGTGA  
 TTTTCTTTTACAATCTGCTGGCAAAATATTTGCAAAATCAGAAGATCACCTGGCCCCAAGTCTCAGTGG  
 TGTGGTGGCAACTGTGTCAACGGTGTGGCCAACTATGCCCTGGTTTCTGTGCTGAACCTGGGGGTGAGG  
 GGCTCCGCCTATGCCAACATCATCTCCAGTTTGCACAGACCGTCTTCTCCTTCTCTACATTGTGCTGA  
 AGAAGCTGCACCTGGAGACGTGGGACAGTTGGTCCAGCCAGTGCCTGCAGGACTGGGGCCCCCTTCTCTC  
 CCTGGCTGTCCCGAGCATGCTCATGATCTGTGTTGAGTGGTGGGCTATGAGATCGGGAGCTTCTCATG  
 GGGCTGCTCAGTGTGGTGGATCTCTGCCCCAGGCTGTCATCTACGAGGTGGCCACTGTGACCTACATGA  
 TTCCCTTGGGGCTCAGCATCGGGGTCTGTGTCCGAGTGGGGATGGCTCTGGGGGTGCGGATACTGTGCA  
 GGCCAAGCGCTCGGCCGTCTCGGGCGTGCTCAGCATAGTTGGCATTTCCTGGTCTGGGCAACCCTGATA  
 AGCATCCTGAAAAATCAGCTGGGGCATATTTTACCAATGATGAAGATGTCATTGCCCTGGTGGAGCCAGG  
 TCTTGGCGGTTTATAGTGTCTTTCAGTGTGTTGAGGCCATCTGTTGTGTCTATGGCGGAGTTCTGAGAGG  
 AACTGGGAAGCAGGCCTTTGGTGCCGCTGTGAATGCCATCACATATTACATCATCGGCCTACCACTGGGC  
 ATCCTTCTGACCTTTGTGGTCAGAATGAGAATCATGGGCCTCTGGCTGGGATGCTGGCCTGTGCTTCC  
 TGGCAACTGCTGCCTTTGTGCTTATACTGCCCGGTGGAGTGAAGCTTGCTGCAGAGGAGGCTAAGAA  
 ACATTAGGCCCGCAGCAGCAGCAGAGAGCAGAGAGCACTGCAACCAGACCTGGGCCTGAGAAAGCAGTC  
 CTATCTTCAGTGGCTACAGGCAGTTCCCTGGCATTACCTTGACAACGTATTCAAGGTCTGAGTGCCACG  
 TGGACTTCTCAGGACTCCAGAGGAGGCCACGCCCTTTCAGCTCTACCAGCAGACTATCAGTGAACA  
 GCTGGTCATCCGCCGTGGGGCTGCTCTGGGGCGGCGTCAGCCACACTGATGGTGGGGCTCACGGTCAGG  
 ATCCTAGCCACCAGGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223318 representing NM\_001099646  
 Red=Cloning site Green=Tags(s)

MDSLQDTVALDHGGCCPALSRVLPRGFGTEMWTLFALSGPLFLFQVLTFMIYIVSTVFCGHLGKVELASV  
 TLAVAFVNVCGVSVGVGLSSACDTLMSQSFSGPNKKHVGIVLQRGALVLLLCLPCWALFLNTQHILLF  
 RQDPDVSRLTQDYVMIFIPGLPVIFLYNLLAKYLQNQKITWPQVLSGVVGNVCVNGVANYALVSVNLGVR  
 GSAYANIISQFAQTVFLLLYIVLKKLHLETWAGWSSQCLQDWGPFFSLAVPSMLMICVEWWAYEIGSFLM  
 GLLSVVDLSAQAVIYEVATVTYMIPLGLSIGVCVRVGMALGAADTVQAKRSASVSVLSIVGISLVLTGLI  
 SILKNQLGHIFTNDEDVIALVSQVLPVYSVFHVFEAICCVYGGVLRGTGKQAFGAAVNAITYYIIIGLPLG  
 ILLTFVVRMRIMGLWGLACVFLATAAFVAYTARLDWKLAAEEAKKHSGRQQQRAESTATRPGPKEKAV  
 LSSVATGSSPGITLTTYSRSECHVDFFRTPPEEAHALSAPTSRLSVKQLVIRRGAAALGAASATLMVGLTVR  
 ILATRH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Species:** Human

**Serotype:** AAV-2

**ACCN:** NM\_001099646

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ORF Size:</b>     | 1698 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><a href="#">NM_001099646.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>  | 2247 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1701 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 146802                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <u><a href="#">Q86VL8</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 17p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 61 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |