

## Product datasheet for **RC206537A1V**

### Human NSP3 (SH2D3C) (NM\_005489) AAV Particle

#### Product data:

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | AAV Particles                                |
| Product Name:             | Human NSP3 (SH2D3C) (NM_005489) AAV Particle |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | SH2D3C                                       |
| Synonyms:                 | CHAT; NSP3; PRO34088; SHEP1                  |
| Mammalian Cell Selection: | None                                         |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                   |



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## ORF Nucleotide Sequence:

>RC206537 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACTGCTGTGGGCCGAAGGTGCCCCGCGCTGGGGTCCCGAGGGGCTGCTGGAGAGCCAGAGGCTGGCA  
GCGACTATGTGAAGTTCTCCAAGGAGAAGTACATCCTGGACTCATCGCCAGAGAACTCCACAAGGAATT  
GGAGGAGGAGCTCAAACCTCAGCAGCACGGATCTCCGACGCCATGCCTGGTACCATGGCCGCATCCCCGA  
GAGGTCTCGGAGACCTTGGTACAACGCAACGGCGACTTCCTCATCCGGGACTCACTACCAAGCTGGTGGTGAAGGC  
ACTATGTGCTCACGTGCCGCTGGCGCAACAGGCTTGCACCTCAAGATCAACAAGGTGGTGGTGAAGGC  
AGGCGAGAGCTACACACACATCCAGTACCTGTTTGAGCAGGAGAGCTTTGACCACGTGCCCGCCCTCGTG  
CGCTATCATGTGGGCAGCCGCAAGGCTGTGTGAGCAGAGTGGTGCCATCATCTACTGCCCGGTGAACC  
GCACCTTCCCACTGCGCTACCTCGAGGCCAGCTATGGCCTGGGACAGGGGAGTAGCAAGCCTGCTAGCCC  
CGTCAGCCCCCTCAGGCCCAAGGGCAGCCACATGAAGCGGCGCAGCGTCACCATGACCGATGGGCTCACT  
GCTGACAAGGTACCCCGCAGCGATGGCTGCCCCACCACTACGTGCTGCCCGCCCTCGGGACTCCATCC  
GCAGCTGTGCCCTCAGCATGGACCAGATCCCAGACCTGCACTACCCATGTGCGCCATCTCCGAGAGCCC  
TAGTCTCCCTGCCTACAGCACTGTAACCCGTGTCCATGCCGCCCTGCAGCCCCTTCTGCCACAGCATTG  
CCTGCCTCCCCTGTGCGCCGCCGTTCCAGTGAGCCCCAGCTGTGTCCCGAAGTGCCCCAAAGACCCATG  
GGGAGTCAGACAAGGGCCCCACACAGCCCCCTCCACACCCCTTGGAAGGCCTCCCCGTACCATCACT  
CAGCAGCTACAGTGACCCGGACTCTGGCCACTACTGCCAGCTCCAGCCTCCGTGCGTGGCAGCCGAGAG  
TGGGCAGCGACTGAGACCTCCAGCCAGCAGGCCAGGAGCTATGGGAGAGGCTAAAGGAAGTGTGAGAAA  
ATGGGGCCCCCTGAAGGGGACTGGGGCAAGACCTTCACAGTCCCCATCGTGAAGTCACTTCTTCTTCAA  
CCCGGCCACCTTCCAGTCACTACTGATCCCCAGGGATAACCGGCCACTGGAGGTGGGCCCTTCTGCGCAAG  
GTCAAGGAGCTGCTGGCAGAAGTGATGCCCGGACGCTGGCCCGGCATGTACCAAGGTGGACTGCCTGG  
TTGCTAGGATACTGGCGTTACCAAGGAGATGCAGACCCTAATGGGAGTCCGCTGGGGCATGGAAGTGT  
CACCTCCCCCATGGCCGGCAGCTACGCCTAGACCTGCTGGAAAGGTTCCACACCATGTCCATCATGCTG  
GCCGTGGACATCCTGGGCTGCACCGCTCTGCGGAGGAGCGGGCAGCGCTGCTGCACAAGACCATTGAGC  
TGGCGGCCGAGCTGCGGGGACTATGGGCAACATGTTGAGCTTCGCGGCGGTATGGGTGCCCTGGACAT  
GGCTCAGATTTCTCGGCTGGAGCAGACATGGGTGACCCTGCGGCAGCGACACAGAGGGTGCCATCCTG  
TACGAGAAGAAGCTCAAGCCTTTTCTCAAGAGCCTCAACGAGGGCAAAGAAGGCCCGCCGCTGAGCAACA  
CCACGTTTCTCATGTGCTGCCCTCATCACCTGCTGGAGTGTGACTCGGCCCCACAGAGGGCCCTGA  
GCCCTGGGGCAGCACGGAGCACGGCTGGAGGTGGTGTGCTCACCTGGAGGCCGCCGCCACAGTGGCA  
CACCACGGAGGCTGTACCACACCAATGCTGAAGTCAAGCTGCAGGGGTTCCAGGCCCGGCCGAGCTCC  
TGGAGGTGTTTACGACGGAGTTCAGATGCGCCTTCTCTGGGGCAGTCAGGGTGCAGCAGCAGCCAGGC  
CCGGCGCTATGAGAAGTTCGACAAGGTCTCACTGCCCTGTCCCAAGCTGGAACCTGCTGTCCGCTCC  
AGCGAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC206537 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MTAVGRRCPALGSRGAAGEPEAGSDYVKFSKEKYILDSSPEKLHKELEELKLSSTDLRSHAWYHGRIPR<br/> EVSETLVQRNGDFLIRDSLTSGLDYVLTCTWRNQALHFKINKVVVKAGESYTHIQYLFEQESFDHVPALV<br/> RYHVGSRKAVSEQSGAIIYCPVNRTFPLRYLEASYGLGQGSSKPASPVSPSGPKGSHMKRRSVTMDGLT<br/> ADKVTRSDGCPTSTSLPRPRDSIRSCALSMDQIPDLHSPMSPISESPSSPAYSTVTRVHAAPAAPSATAL<br/> PASPVARRSSEPQLCPGSAPKTHGESDKGPHTSPSHTLGKASPSPLSSYSDPDSGHYCQLQPPVGRSRE<br/> WAATETSSQARSYGERLKELENGAPEGDWGKTFTVPIVEVTSSFNPAFTFQSLIPRDNRPLEVGLLRK<br/> VKELLAEDARTLARHVTKVDCLVARILGVTKEMQTLMGVRWGMELLTLPHGRQLRLDLLERFHTMSIML<br/> AYDILGCTGSAEERAALLHKTITQLAAELRGTMGNMFSFAAVMGALDMAQISRLEQTWVTLRQRHTEGAIL<br/> YEKKLKPFLLKSLNEGKEGPPLSNTTFPHVPLITLLECD SAPPEGPEPWGSTEHGVEVLAHLEAARTVA<br/> HHGGLYHTNAEVKLQGFQARPELLEVFSTEFQMRLWGSQGASSSQARRYEKFDKVL TALS HKLEPAVRS<br/> SEL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ACCN:</b>             | NM_005489                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ORF Size:</b>         | 2109 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F5903                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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_005489.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>      | 2692 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>       | 2112 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Locus ID:</b>         | 10044                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID:</b>       | <u>Q8N5H7</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>     | 9q34.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MW:</b>               | 77.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |