

## Product datasheet for **RC220198A1V**

### Human VGLUT3 (SLC17A8) (NM\_139319) AAV Particle

#### Product data:

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Product Type:             | AAV Particles                                   |
| Product Name:             | Human VGLUT3 (SLC17A8) (NM_139319) AAV Particle |
| Tag:                      | Myc-DDK                                         |
| Symbol:                   | SLC17A8                                         |
| Synonyms:                 | DFNA25; VGLUT3                                  |
| Mammalian Cell Selection: | None                                            |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                      |



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## ORF Nucleotide Sequence:

>RC220198 representing NM\_139319  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCCTTTTAAAGCATTGATACCTTCAAAGAAAAATCTGAAACCTGGGAAGGAAGGAGTGAAGAACG  
 CCGTGGGAGATTCTTTGGGAATTTACAAAGAAAAATCGATGGGACAACCTGAGGAAGAAGATAACATTGA  
 GCTGAATGAAGAAGGAAGGCCGGTGCAGACGTCCAGGCCAAGCCCCCACTCTGCGACTGCCACTGCTGC  
 GGCCTCCCAAGCGTTACATCATTGCTATCATGAGTGGGCTGGGATTCTGCATTTCTTTGGGATCCGGT  
 GCAATCTTGGAGTTGCCATTGTGAAATGGTCAACAATAGCACCGTATATGTTGATGGAAACCGGAAAT  
 TCAGACAGCACAGTTAACTGGGATCCAGAAACAGTGGGCCTTATCCATGGATCTTTTTCTGGGCTAT  
 ATTATGACACAAATCCAGTGGTTTCATTTCAAACAAGTTTGCTGCTAACAGGGTCTTTGGAGTGCCA  
 TCTTCTTAACATCGACTCTGAACATGTTTATCCCTCTGCAGCCAGAGTGCATTACGGATGCGTCATGTG  
 TGTGCAATTCTGCAAGGTTTAGTGGAGGGTGTGACCTACCCAGCCTGCCATGGGATGTGGAGTAAGTGG  
 GCACCACCTTTGGAGAGAAGCCGACTGGCCACAACCTCTTTTTGTGGTTCCTATGAGGGGCAAGTGGTTG  
 CCATGCCCTGGCTGGGTGTTGGTGCAGTACATTGGATGGTCCTCTGTCTTTTATTTATGGCATGTT  
 TGGGATTATTTGGTACATGTTTTGGCTGTTGCAGGCCTATGAGTGCCAGCAGCTCATCCAACAATATCC  
 AATGAGGAGAAGACCTATATAGAGACAAGCATAGGAGAGGGGGCAACGTGGTGTAGTCTAAGTAAATTTA  
 GTACCCCATGGAAAAGATTTTACATCTTTGCCGTTTATGCAATCATTGTGGCAAATTTTGCAGAAG  
 CTGGACCTTTTATTTGCTCCTCATAAGTCAGCTGCTTATTTGAAGAGGTCTTTGGATTGCAATAAGT  
 AAGGTGGTCTCTTGTGAGCAGTCCACACATGGTTATGACAATCGTTGTACCTATTGGAGGACAATTGG  
 CTGATTATTTAAGAAGCAGACAAATTTAACCACAACCTGCTGTCAGAAAAATCATGAACGTGGAGGTTT  
 TGGCATGGAGGCAACCTTACTCCTGGTGGTGGCTTTTCGCATACCAAAGGGGTGGCTATCTCCTTTCTG  
 GTACTTGCTGTAGGATTTAGTGGCTTCGCTATTTAGGTTTTAATGTCAACCACCTGGACATTGCCCCAC  
 GCTATGCCAGCATTCTCATGGGGATCTCAAACGGAGTGGGAACCTCTCTGGAATGGTCTGTCCCTCAT  
 TGTGCGTGCAATGACCAGGCACAAGACCGTGAAGAATGGCAGAATGTGTTCTCATAGCTGCCCTGGT  
 CATTACAGTGGTGTGATCTTCTATGGGTCTTTGCTTCTGGGGAGAAACAGGAGTGGGCTGACCCAGAGA  
 ATCTCTCTGAGGAGAAATGTGAATCATTGACCAGGACGAATTAGCTGAGGAGATAGAACTCAACCATGA  
 GAGTTTTCGAGTCCCAAAAAGAAGATGCTTATGGAGCCACCTCCAGAAATGTGAAGTCCAGAAGAAG  
 GAATGGAAGGACAGAGAGGAGCGACCCTTGATGAGGAAGAGCTGACATCCTACCAGAATGAAGAGAGAA  
 ACTTCTCAACTATATCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC220198 representing NM\_139319  
 Red=Cloning site Green=Tags(s)

MPFKAFDTFKEKILKPGKEGVKNAVGDLSGILQKIDGTTEEDNIELNEEGRPVQTSRPSPLCDCHCC  
 GLPKRYIIAIMSGLGFCISFGIRCNLGVAIVEMVNNSTVYVDGKPEIQTAFNWDPEVGLIHGSFFWGY  
 IMTQIPGGFISNKAANRVFGAAIFLTSTLNMFIPTSAARVHYGCMVRLIQLVEGVTPACHGMWSKW  
 APPLERSRLATTSFCGSYAGAVVAMPLAGVLVQYIGWSSVFYIYGMFGIIWYMFLLQAYECPAAHPTIS  
 NEEKTYIETSIGEGANVVSLSKFSTPWKRFFSLPVYAIIVANFCRSWTFYLLISQPAYFEEVFGFAIS  
 KVGLLSAVPHMVMITIVPIGGQLADYLSRQILTTAVRKIMNCGGFGMEATLLLVVGFSGHTKGVAISFL  
 VLAVGFSGFAISGFNVNHLDIAPRYASILMGISNGVGTLSGMVCPLIVGAMTRHKTREEWQNVFLIAALV  
 HYSGVIFYGVFASGEKQEWADPENLSEEKCGIIDQDELAEEIELNHESFASPKKKMSYGATSQNCEVQKK  
 EWKGQRGATLDEEELTSYQNEERNFSTIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Species:

Human

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serotype:</b>     | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ACCN:</b>         | NM_139319                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORF Size:</b>     | 1767 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Buffer:</b>       | PBS with 0.001% Pluronic F8131                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <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_139319.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>  | 3983 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RefSeq ORF:</b>   | 1770 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Locus ID:</b>     | 246213                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID:</b>   | <u>Q8NDX2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cytogenetics:</b> | 12q23.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>MW:</b>           | 65.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |