

## Product datasheet for **RC227779A1V**

### Human ZNF438 (NM\_001143766) AAV Particle

#### Product data:

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | AAV Particles                            |
| Product Name:             | Human ZNF438 (NM_001143766) AAV Particle |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | ZNF438                                   |
| Synonyms:                 | bA330O11.1                               |
| Mammalian Cell Selection: | None                                     |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)               |



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ORF Nucleotide  
Sequence:

>RC227779 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAGAATTCTGTATCAGTACCACCAAAAGATGAAGGTGAATCAAACATCCCTTCTGGAACAATACAGA  
GTAGGAAAGGTTTGCAGAATAAGAGTCAGTTTAGGACCATTGCACCAAAATTTGTGCCAAAGTCCTAAC  
GTCCAGAATGCTGCCATGTCATTACCATCACGCTCTGATCAGGTGAATCTGGGACCCTCCATCAACTCC  
AAGCTGCTGGGGATGTCCACCCAGAAGTATGCCCTGATGCAGGTTGCTGGCCAGGAGGGGACATTTTCTC  
TTGTTGCTCTGCCACATGTTGCCTCAGCTCAGCAATTGAGAAACCCAGAATGTCCTACCTGAAACCT  
GAAACTTCCTATTCTAGATATCAACCCCTAGAAATAGCAAAGCATCAAGAAAGAAACCCATCTGATC  
TTTCTAAGAGTGGCTGTAGCAAAGCTCCTGCCAAACCCAAATGTGTCCTCAGATGTCCCTTCCCCAC  
CTCACCACCCTGAACTCCTGTACAAACCCAGTCCATTTGAGGAAGTACCATCACTAGAGCAAGCCCCAGC  
CAGCATTAGCACAGCTCGCTGACCAATGGAAGTGACCATGGGACTTGAGACCACAGTGACCAACACC  
CATGGCAGTCTGAACCTCCTGTACCCAGCATCATCCACACAGAGGAGCCTGCCAAGCAGGACCTCA  
CAGCTCTTTACGGGAAAGCACACTTTGTAAAGCAAGATAACATCTAGTAAACCTTCTGCTGTTGCCAGTGA  
AAAATTTAAAGAAAGTGTGATCTTGCAAAAACCATGACCAATTTATCACAACCATCTTGGAATGCA  
GTTGAGTTGATCTCTCAGTCCCAAGGGAACTGCCAATCCCACCCTACTCAAGAATGAAGACAATGG  
AGGTTTACAAATCAAATCAGATGCTAACATTGCAGGTTTTCTTTACCAGGACCTAAGGCCGACTGTGA  
TAAGATACCTCCACCACAGAAGGCTTTAATGCAGCCACCAAGGTGGCAAGCAGGCTACCTGTCCACAA  
GTGTACAGCAGAGTGCCTGTGAAAGTGCTTTTGTCCACCCACCAAACTTGATCTTAACCACAAAACAA  
AACTGAACAGTGGAGCAGCAAGAGAAAAGGAAGAAAACGGAAGGTACCAGATGAAATTTTGGCATTTCA  
GGGAAAAGGAGGAAATATATCATTAAATAGGTGAGAGATGGTAAAGAAAGAGTAAAAAATGATCCCCAA  
GAATTCAGAGACCAAAAGCTGGGGACCTGAAAAAATACCGTAGCATTATGCCAAACCTATCATGGTCA  
TACCACTTTGGCCTCCCTGGCTTCTCCAACACTACACTACAGTCCAGATGCTTGGGGGCTAGGACAGGA  
TGTTTTGTAAATAATCACTCACTCTAAATATCTTGCTGTAAGCAAGACAACAGCTCTTCCCTAAG  
CCCAGTCCGTGTTTCAAGATGGATTCTCTGGCATTAAAGAGCCTTGGCACAGATGTACGCTGCAACC  
ACCACTTCCAGTTCAAACAGCACCTTCGAGACCACATGAATACACACCAACAGACGCCCTTACAGTTG  
TCGGATTTGTCGAAGTCTATGTACGTCCTGGCAGCCTGAGCACACACATGAACTTCATCATGGTGAG  
AACCGTCTGAAGAACTCATGTGTTGTGAGTTTGTGCAAAAGTGTGGCCACATCCGAGTCTATTTTG  
GCCATCTGAAAGAAGTGCATAGGTTGTGATCAGCACTGAGCCTGCGCCAGTGAAGTGCAGCCAGGAGA  
CATACCAAGAACAGAGACATGAGTGTGCGAGGCATGGAGGGATCATTGGAGAGGGAAAAACAAGTCCAAC  
CTGGAAGAAGACTTCCTTCTAAACCAGGCAGACGAAGTCAAATTAACAATCAAATGTGGTCGTTGTGAGA  
TTACTGCTCAGTCTTTTGCAGAAATAAAATTTCACTTACTTGATGTTTATGGAGAGGAAATGAGGGCAG  
GCTACAAGAAGGGACCTTCCAGGAAGCAAGGGGACTCAGGAAGAGTTGGTGCAGCAGCTAGCCCCGAC  
TGGAAGGATCCTGAGAGAGGGAAGCCGGAAGGTTTATTCCTCCTCCGAGGAATCACATGCATGTC  
CAAGACTGAAAAGGCAGCTCCACCTTCATCAGAATGGCGTGGAATGCTCATGGAAAATGAAGGACCCCA  
GTCAGGAACCAACAAGCAAGGAAACCTGCCAGGGCCTGAGTGTCTGGCCTCCACACGTTTCTCTTG  
TGGTCCCATTCAGGCTTTAACTGCCTGCTTTGTGCAAGAGATGCTGGGACGGAAGAGGACCTCTCCACC  
ACTGGAAGCACAGCATAACTGTGAGGACCTTCCAACTGTGGGCTATTTTAAATACGGTCTCCAACCA  
GGGAGTGATCGAACTTTCCAGTGAAGCTGAGAAA

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC227779 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p> MQNSVSVPPKDEGESNIPSGTIQSRKGLQNKSQFRTIAPKIVPKVLT SRMLPCHSPSRSDQVNLGPSINS<br/> KLLGMSTQNYALMQVAGQEGTFS LVALPHVASAQPIQKPRMSLPENLKLPIPRYQPPRNSKASRKKPILI<br/> FPKSGCSKAPAQTMCPQMSPSPPHPELLYKPSPFEEVPSLEQAPASISTAAL TNGSDHGLRPPVTNT<br/> HGSLNPPATPASSTPEEPAKQDLTALSGKAHFVSKITSSKPSAVASEKFKEQVDLAKTMTNL SPTILGNA<br/> VQLISSVPKGKLPIPPYSRMKTMEVYKIKSDANIAGFS LPGPKADCDKIPSTTEGFNAATKVASRLPVPQ<br/> VSQQSACESAFCPPTKLDL NHKTKLNSGAARKRGRKRVPEILAFQGGKRRKYIINKCRDGKERVKNDPQ<br/> EFRDQKLGTLKKYRSIMPKPIMVIPTLASLASPTTLQS QMLGGLGQDVLLNNSLTPKYL GCKQDNSSSPK<br/> PSSVFRNGFSGIKKPWHRCHVCNHHFQFKQHLRDHMTHTNRRPYSCRICRKS YVRPGSLSTHMKLHHGE<br/> NRLKKLMCCEFCAKVFGHIRVYFGHLKEVHRVISTEPAPSELQPGDIPKNRDM SVRGMESLERENKSN<br/> LEEDFLLNQADEVKLQIKGRCQITAQSFAEIKFHLLDVHGEEIEGRLQEGTFPGSKGTQEELVQHASPD<br/> WKRHPERGKPEKVHSSSEESHACPR LKQRLHLHQNGVEMLMENEGPQSGTNKPRETCQGPECPLHTFLL<br/> WSHSGFNCLLCAEMLGRKEDLLHHWKHQHNCEDPSKLWAILNTVSNQGVIELSSEA EK<br/> <br/> TRTRPLEQKLISEEDLAANDILDYKDDDDKV </p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ACCN:</b>             | NM_001143766                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ORF Size:</b>         | 2484 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F9353                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <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_001143766.1, NP_001137238.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>RefSeq Size:</b>      | 3306 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>       | 2487 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Locus ID:</b>         | 220929                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID:</b>       | <u>Q7Z4V0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Cytogenetics:</b>     | 10p11.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MW:</b>               | 91.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |