

## Product datasheet for **RC211966A1V**

### Human ARNT2 (NM\_014862) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Human ARNT2 (NM_014862) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | ARNT2                                |
| Synonyms:                 | bHLHe1; WEDAS                        |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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## ORF Nucleotide Sequence:

>RC211966 representing NM\_014862  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAACCCCGCGCGGTCAACCCTCCGAAATGGCTTCAGACATACCTGGATCTGTGACGTTGCCCCG  
 TTGCCCCCATGGCGGCCACCGACAGGTGAGGATGGCGGGGCCATGCCTGCCCGTGGAGGAAAGCGGCG  
 TTCCGGAATGGACTTCGATGATGAAGATGGTGAAGGCCCCAGTAAATTTCAAGAGAGAATCATAGTGAA  
 ATCGAAAGGCGCAGACGGAACAAGATGACTCAGTACATCACGGAGCTCTCCGACATGGTCCCCACATGCA  
 GCGCACTGGCTCGGAAGCCAGACAAGCTCACCATCCTCCGATGGCCGTCTCGCACATGAAGTCCATGAG  
 GGGTACAGGGAACAAGTCCACCGATGGCGGTACAAGCCTTCTTCTCACAGAGCAGGAACTGAAGCAT  
 CTCATCCTTGAAGCAGCTGATGGATTTCTGTTTGGTGGCTGCTGAGACAGGGCGAGTGATTTATGTGT  
 CTGACTCCGTCACCCCTGTTCTGAACCAGCCCCAGTCAGAGTGGTTTGGGAGCACACTGTATGAACAGGT  
 GCATCCTGATGACGTGGAGAAGCTGAGAGAGCAACTGTGCACCTCAGAAAACCTCAATGACAGGCCGGATC  
 TTGGACCTGAAGACTGGGACGGTCAAGAAAGAAGGGCAGCAGTCATCCATGAGGATGTGCATGGGCTCGC  
 GGCGGTCTTTCATCTGCAGGATGAGGTGTGAAATGCTCCTTTGGACCACCTTCTCTAAACAGAATAAC  
 CACCATGAGGAAAAGGTTCAAGGAATGGCCTTGCCCTGTGAAAGAAGGAGAAGCCCAATATGCTGTGGTC  
 CACTGTACAGGATACATCAAGGCCTGGCCACCAGCAGGAATGACCATACTGAAGAAGACGCTGATGTGG  
 GACAAGGCAGTAAATATTGCCTCGTGGAATTTGGGAGACTCCAGGTGACCAGCTCTCCTGTATGCATGGA  
 CATGAATGGGATGTGGTGCCACAGAGTCTTATCCCGGCATAACTCCGATGGAATCATCACATTTGTG  
 GATCCAAGATGTATCAGTGTGATTGGCTACCAACCCAGGATCTTCTGGGAAAGGACATTTTGAATTCT  
 GCCACCCTGAGGATCAAAGCCATCTGCGTGAGAGCTTCCAGCAGGTGGTTAAGCTGAAAGGCCAAGTCTT  
 GTCGGTCATGTATCGATTTTCGCACCAAGAACCAGGAGTGGATGTTGATCCGCACCAGCAGCTTCACATTC  
 CAGAATCCCTATTCTGATGAGATTGAGTACATCATCTGCACCAACACCAACGTCAAGCAACTTCAGCAAC  
 AGCAGGCAGAATTGGAAGTGACCCAGAGAGATGGATTGTATCGTATGACTTATCCCAGGTCCCCGTCCC  
 CAACCTACCAGCCGGTGTTCATGAGGCCGGGAAGTCCGTGGAAAAGGCGGATGCAATCTTCTCCAGGAA  
 AGAGATCCTCGGTTTGTGAAATGTTTGCAGGAATTAGTGCATCGGAGAAGAAGATGATGAGCTCAGCCT  
 CTGCAGCAGGAACCCAGCAGATCTACTCCAAGGAAGCCATTTCCCTCTGGACACTCCGGAAGGCCTT  
 CAGCTCTTCAGTGGTTCATGTGCTGGAGTGAATGATATTCAGTCCTCTTCTCCACGGGCCAGAACATG  
 TCCCAAATCTCCCGGCAGCTAAACCAGAGTCAGGTGGCATGGACAGGGAGTCGTCGCCCTTTCCGGGAC  
 AGCAAATCCCATCTCAGTCCAGCAAGACTCAGTCATCTCCCTTTGGGATTGGAACGAGCCACACCTACCC  
 GGCAGACCCCTTTCCTACAGCCCCCTCTCCAGCCCAGTACCTCCTCGCCAAGTGGAATGCCTACTCC  
 AGTCTTGCCAACAGGACTCCAGGGTTCGCTGAAAGTGGACAAAGTAGCGGGCAGTTCCAAGGGCGGCCCT  
 CGGAAGTCTGGTCGAGTGGCAAAGCCAGCACCATGGCCAGCAGAGCGGTGAGCAGCACTCCACCCAGCA  
 GCCCGTCTCAGACTGAAGTGTCCAGGACATGCTGCCCATGCCAGGAGATCCAACCCAGGGGACTGGCAAC  
 TATAACATCGAAGACTTTGCCGACCTGGCATGTTTCCACCGTTTTCTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC211966 representing NM_014862</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MATPAAVNPPEMASDIPGSVTLVPVAPMAATGQVRMAGAMPARGGKRRSGMDFDDEDEGEGPSKFSRENHSE<br/> IERRRRNKMTQYITELSDMVPTCSALARKPKDLTILRMAVSHMKSMRGTGNKSTDGAYKPSFLTEQELKH<br/> LILEAADGFLFVAAETGRVIYVSDSVTPVLNQPSSEWFGSTLYEQVHPDDVEKLREQLCTSENSMTGRI<br/> LDLKTGTGVKKEGQQSSMRMCMGSRSSFICMRRCGNAPLDHLPLNRITTMKRFRNGLGPVKEGEAQYAVV<br/> HCTGYIKAWPPAGMTIPEEDADVGGQSKYCLVAIGRLQVTSSPVCMDMNGMSVPTEFLSRHNSDGIITFV<br/> DPRCISVIGYQPQDLLGKDILEFCHPEDQSHLRESFQQVVKLGQVLSVMYRFRRTKNREWMLIRTSSFTF<br/> QNPYSDEIEYIICTNTNVKQLQQQAELEVHQRDGLSSYDLSQVPVNPAPAGVHEAGKSVEKADAIFSQE<br/> RDRPFAEMFAGISASEKKMMSSASAAGTQQIYSQGSPPFSGHSGKAFSSSVVHVPGVNDIQSSSTGQNM<br/> SQISRQLNQSQVAWTGSRPPFPQQIPSSQSSKTQSSPFGIGTSHTYPADPSSYSPLSSPATSSPSGNAYS<br/> SLANRTPGFAESGSSGQFQGRPSEVWSQWQSQHHGQQSGEQSHHQPGQTEVFQDMLPMPGDPTQGTGN<br/> YNIEDFADLGMFPPFSE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ACCN:             | NM_014862                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Size:         | 2151 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Buffer:           | PBS with 0.001% Pluronic F6813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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:           | <a href="#">NM_014862.3</a> , <a href="#">NP_055677.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:      | 6576 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq ORF:       | 2154 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Locus ID:         | 9915                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| UniProt ID:       | <a href="#">Q9HBZ2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cytogenetics:     | 15q25.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MW:               | 78.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |