

## Product datasheet for **RC209736A1V**

### Human DHX32 (NM\_018180) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Human DHX32 (NM_018180) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | DHX32                                |
| Synonyms:                 | DDX32; DHLP1                         |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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## ORF Nucleotide Sequence:

>RC209736 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAAGAAGAAGGGCTGGAGTGTCAAACCTCTCCTCTGAAAAACGCTATTTTCCTGAATCCCTGGATT  
CCAGCGATGGGGATGAGGAAGAGGTTTTGGCCTGTGAGGATTTGGAACCTTAACCCCTTTGATGGATTGCC  
ATATTCATCACGTTATTATAAATTCTGAAAGAAAGAGAAGATCTTCTATATGAAAGAAAAATACTCC  
TTTATGGAGAACCTGCTTCAAAATCAAATCGTGATTGTTTCAGGAGATGCTAAATGTGGTAAGAGCGCTC  
AGGTTCTCAGTGGTGTGCTGAATATTGCTTTCCATCCACTACCAGCACGGGGCGTGATATGCACACA  
GGTCCACAAGCAGACTGTGGTCCAGCTCGCCCTGCGGGTGGCGGATGAAATGGATGTTAACATTGGTCAT  
GAGGTTGGCTACGTGATCCCTTCGAGAACTGCTGTACCAACGAAACAATCCTGAGGTATTGTAAGTATG  
ATATGCTGCAAGAGAAATGATGTCCAATCCTTTTTGGGTAGCTATGGGGTCATCATCTTAGATGATAT  
TCATGAAAGAAGCATTGCAACTGATGTGTACTTGGACTTCTTAAAGATGTTTTACTAGCAAGACCAGAA  
CTGAAGCTCATATTAATCCTCACCTCACCTGATCAGCAAACTCAATCTTATTATGAAACGTCGCTG  
TCATAGAAGTGAAAAATAAACACCCTGTGGAGTTGTGTACCTTAGTGAGGCTCAAAAGGATTCTTTTGA  
GTCTATTTTACGCTTATCTTTGAAATTCACCACTCGGGTGAGAAAGTGACATTGTAGTCTTTCTGGCC  
TGTGAACAAGATATTGAGAAAGTCTGTGAAACTGTCTATCAAGGATCTAACCTAAACCCAGATCTTGGAG  
AACTGGTGGTTGTTCTTTGTATCCAAAAGAGAAATGTTTATTGTTCAAGCCACTCGATGAAACAGAAAA  
AAGATGCCAAGTTTATCAAAGAAGAGTGGTGTAACTACTAGCTCTGGAGAGTTTTTGATCTGGAGCAAC  
TCAGTCAGATTTGTTATCGATGTGGGTGTGAAAGAAGAAAGGTGTACAACCCGAGAATAAGAGCAAAC  
CGCTCGTCATGCAGCCCATCAGCCAGAGCCAGGCAGAGATACGCAAGCAGATTCTTGGCTCATCTTCTTC  
AGGAAAAATTTTTCTGCCTGTACACTGAAGAATTTGCCTCAAAGACATGACGCCACTGAAGCCAGCAGAA  
ATGCAGGAAGCCAACCTAACAAGCATGGTGTCTTTTATGAAGAGGATAGACATTGCGGGCCTAGGCCACT  
GTGACTTCATGAACAGACCAGCACCAGAAAAGTTTGATGCAGGCATTGGAAGACTTAGATTATCTGGCAGC  
ACTGGATAATGATGGAATCTTTCTGAATTTGGAATCATCATGTGAGAGTTTCTCTTGATCCACAACCTC  
TCGAAGTCTATCTTAGCGTCTGTGAATTTGACTGTGTAGATGAAGTGCTAACATCGCGGCCATGGTAA  
CAGCTCCAAATTGCTTTTACATGTGCCACATGGAGCTGAAGAGGCTGCCTTGACTTGTGGAAGACATT  
TTTACATCCCGAAGGAGATCACTTTACCCTCATCAGCATTTACAAGGCTTACCAAGACACAACCTGTAAT  
TCTAGCAGTGAGTACTGTGTGAAAAGTGGTGTGCTGATTACTTCCTCAACTGTTTCAGCACTCAGAAATGG  
CAGATGTTATTGAGCTGAACTCTTAGAAATTATCAAGCGAATCGAGCTTCCCTATGCAGAACCTGCTTT  
TGGCTCCAAGGAAAACACTCTAAACATAAAGAAAGCTCTTCTGTCCGGTACTTTATGCAGATTGCTCGG  
GATGTTGATGGATCAGGTAACCTACTTAATGCTGACACATAAGCAGGTTGCTCAGCTGCATCCCCTGTCTG  
GTTACTCAATCACCAAGAAGATGCCAGAGTGGGTCCTCTTCCATAAAATTCAGCATTTCTGAGAACAACTA  
CATCAGGATTACCTCAGAAATCTCTCTGAACTATTTATGCAGCTGGTACCACAATACTATTTAGTAAT  
CTGCCTCCTAGTGAAAGTAAGGACATTCTACAGCAAGTAGTGGATCACCTATCCCTGTGTCAACAATGA  
ATAAGGAACAGCAAATGTGTGAGACGTGCCCTGAACTGAACAGAGATGCACTCTCCAG

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC209736 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MEEEGLECPNSSSEKRYFPESLDSSDGDEEEVLACEDLELNPF DGLPYSSRYKLLKEREDLP IWKEKYS<br/> FMENLLQNQIVIVSGDAKCGKSAQVPQWCAEYCLSIHYQHGGVICTQVHKQTVVQLALRVADEMDVNIGH<br/> EVGYVIPFENCCTNETILRYCTDDMLQREMMSNPFLGSYGVIILDDIHERSIATDVLLGLLKDVLLARPE<br/> LKLIINSSPHLISKLSYYGNVPVIEVKNKHPVEVVYLSEAQKDSFESILRLIFEIHHSGEKGDIVVFLA<br/> CEQDIEKVCETVYQGSNLPDLGELVVVPLYPKEKCSL FKPLDETEKRCQVYQRRVVLTTSSGEFLIWSN<br/> SVRFVIDVGVERRKVYNPRIRANSLVMQPISSQSAEIRKQILGSSSSGKFFCLYTEEFASKDMTLPKPAE<br/> MQEANLTSVMFLMKRIDIAGLGHCFMNRPAPESLMQALEDLDYLAALDNDGNLSEFGIIMSEFPLDPQL<br/> SKSILASCEFCVDEVL TIAAMVTAPNCFSHVPHGAEEAALTCWKTF LHPEGDHFTLISIYKAYQDTTLN<br/> SSSEYCKEKCWDYFLNCSALRMADVIRAELEIKRIELPYAEPAFGSKENTLN IKKALLSGYFMQIAR<br/> DVDGSGNYLMLTHKQVAQLHPLSGYSITKKMPEWVLFHKFSISENNYIRITSEISP ELMQLVPQYFNSN<br/> LPPSESKDILQQVVDHLSPVSTMNKEQQMCETCPETEQRCTLQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ACCN:             | NM_018180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ORF Size:         | 2229 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Buffer:           | PBS with 0.001% Pluronic F6489                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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:           | <u>NM_018180.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RefSeq Size:      | 3070 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq ORF:       | 2232 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Locus ID:         | 55760                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:       | <u>Q7L7V1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cytogenetics:     | 10q26.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MW:               | 84.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |