

## Product datasheet for **RC201758A1V**

### Human DDX23 (NM\_004818) AAV Particle

#### Product data:

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | AAV Particles                              |
| Product Name:             | Human DDX23 (NM_004818) AAV Particle       |
| Tag:                      | Myc-DDK                                    |
| Symbol:                   | DDX23                                      |
| Synonyms:                 | prp28; PRPF28; SNRNP100; U5-100K; U5-100KD |
| Mammalian Cell Selection: | None                                       |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                 |



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ORF Nucleotide  
Sequence:

>RC201758 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**

ATGGCAGGAGAGCTGGCTGACAAAAAGGACCGTGATGCATCACCTTCCAAGGAGGAAAGGAAGCGATCAC  
GGACTCCTGACAGAGAGCGGGATAGAGACCGGGACCGAAGTCTTCCCATCTAAAGATAGAAAGCGGCA  
TCGTTCAAGGGATAGACGTGAGGAGGAGCCGTTCTCGCTCTCGTTCCCGTTCCAAATCTGCAGAAAGA  
GAACGACGGCACAAGAACGAGAACGAGATAAGGAGCGGGATCGGAATAAGAAGGACCGAGATCGAGACA  
AGGATGGGCACAGACGGGACAAGGACCGTAAACGATCCAGCTTATCTCTGGTCGAGGAAAGACTTTAA  
ATCTCGGAAGGACAGAGACTCTAAGAAGGATGAAGAGGATGAACATGGTGATAAGAAGCCTAAGGCCAG  
CCATTATCCCTGGAGGAGCTTCTGGCCAAGAAAAAGGCTGAGGAAGAAGCTGAGGCTAAGCCCAAGTTCC  
TCTCTAAAGCAGAACGAGAGGCTGAAGCTCTAAAGCGACGGCAGCAGGAGGTGGAAGAGCGGCAGAGGAT  
GCTTGAAGAAGAGAGGAAGAAAAAGGAAACAGTTCCAAGACTTGGGCAGGAAGATGTTGGAAGATCCTCAG  
GAACGGGAACGTCGGGAACGCAGGGAGAGGATGGAACGGGAGACCAATGGAAATGAGGATGAGGAAGGGC  
GGCAGAAGATCCGGGAAGAGAAGGATAAGAGCAAGGAAGTGCATGCCATTAAGGAGCGTTACCTGGGTGG  
CATCAAAAAGCGGCGCCGAACGAGACATCTCAATGACCGGAAATTTGTTTTGAGTGGGATGCATCTGAG  
GACACATCCATTGACTACAACCCCTGTACAAAGAACGGCACCAGGTGCAGTTGTTAGGGCGAGGCTTCA  
TTGCAGGCATTGACCTCAAGCAGCAGAAGCGAGAGCAGTCACGTTTCTATGGAGACCTAATGGAGAAGAG  
GCGAACCTGGAAGAAAAGGAGCAGGAGGAGGCAAGACTCCGCAAACTTCGTAGAAGGAAGCCAAGCAG  
CGCTGGGATGATCGTCATTGGTCTCAGAAAAAGTTAGATGAGATGACGGACAGGACTGGCGGATCTTCC  
GTGAGGACTACAGCATCACCACAAAGGTGGCAAGATCCCAATCCCATCCGATCCTGGAAGACTCTTC  
TCTGCCCCCACACATCTTGGAGGTCATTGATAAGTGTGGCTACAAGGAACCAACACCTATACAGCGTCAG  
GCAATTCCTATTGGGCTACAGAATCGTGACATCATTGGTGTGGCTGAGACTGGCAGTGGCAAGACAGCAG  
CCTTCCTCATCCCTCTGCTGGTCTGGATCACCACACTTCCAAAATTGACAGGATCGAAGAGTCAGACCA  
AGGCCCTTATGCCATCATCCTGGCTCCCAACCGTGAGTTGGCTCAACAGATTGAGGAAGAGACCATCAAG  
TTTGGGAAACCGCTAGGTATCCGCACTGTGGCTGTATTGGTGGCATCTCCAGAGAAGACCAGGGCTTCA  
GGCTGCGCATGGGTTGTGAGATTGTGATTGCTACCCCTGGGCGTTTGATTGATGTGCTGGAGAACCCTA  
CCTGGTGTGAGCCGCTGTACCTATGTGGTCTGGATGAGGCAGATAGGATGATTGACATGGGCTTTGAG  
CCAGATGTCCAGAAGATCCTGGAGCACATGCCTGTGAGCAACCAGAAGCCAGACACGGATGAGGCTGAGG  
ACCCTGAGAAGATGCTGGCCAACTTTGAGTCGGGAAAACATAAGTACCGCCAAACAGTCATGTTACGGC  
CACCATGCCCCCAGCGGTGGAGCGTCTGGCCAGGAGCTATCTTCGGCGACCTGCTGTGGTGTACATTGGC  
TCCGCAGGCAAGCCCCATGAGCGTGTGGAACAGAAGGTCTTCTCATGTGAGAGTCAGAAAAGAGGAAAA  
AGCTGTGTGGCAATCTTGAGCAAGGCTTTGACCAACCATCATTATTTTTGTCAACCAGAAGAAGGGCTG  
CGACGTGTTGGCCAAATCCCTGGAGAAGATGGGTACAATGCTTGCACTGCACGTTGGAAAAGGCCAG  
GAGCAGCGAGAGTTTGGCTGTCCAACCTCAAGGCTGGGGCAAGGATATTTGGTGGCTACAGATGTGG  
CTGGTCTGGTATTGACATCCAAGATGTGTCTATGTTGTCAACTATGATATGGCCAAAAATATTGAAGA  
TTACATCCACCGCATTGGCCGCACGGGACGAGCAGGCAAGAGTGGGTGGCCATCACCTTCCTCACAAAA  
GAGGACTCTGCTGTGTTCTACGAGCTGAAGCAAGCTATCCTGGAAAGCCAGTGTCTTCTGTCCCCCG  
AACTAGCCAACCAACCCAGATGCCAGCATAAGCCAGGCACCATCCTACCAAGAAGCGCCGGGAAGAGAC  
CATCTTTGCC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC201758 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAGELADKKDRDASPSKEERKRSRTPDRERDRDRDRKSSPSKDRKRHRSRDRRRGGSRSRSRSAER<br/> ERRHKERERDKERDRNKKDRDRDKDGHRRDKDRKSSSLSPGRGKDFKSRKDRDSKKDEEDEHGDKKPKAQ<br/> PLSLEELLAKKKAEEEEAEAKPKFLSKAEREAEALKRRQQEVEERQRMLEERKKRKQFQDLGRKMLEDPO<br/> ERERRERRERMERETNGNEDEEGRQKIREEKDKSKELHAIKERYLGGIKRRRTRHLNDRKFVFEWDASE<br/> DTSIDYNPLYKERHQVQLLGRGFIAGIDLKQQKREQSRFYGDLMEKRRTLEEKEQEEARLRKLRKKEAKQ<br/> RWDDRHWSSQKKLDEMTRDWRIFREDYSITTKGGKIPNPIRSWKDSSLPPHILEVIDKCGYKEPTPIQRQ<br/> AIPIGLQNRDIIGVAETGSGKTA AFLIPLLWITTLPKIDRIEESDQGPYAILAPTRELAQQIEEETIK<br/> FGKPLGIRTVAVIGGISREDQGFRLRMGCEIVIATPGRLIDVLENRYLVL SRCTYVVLDEADRMIDMGFE<br/> PDVQKILEHMPVSNQKPDTEAEDPEKMLANFESGKHKYRQTMFTATMPPAVERLARSYLRRPAVVYIG<br/> SAGKPHERVEQKVFLMSESEKRRKLLAILEQGFDPPIIIFVNQKKGCDVLAKSLEKMGYNACTLHGGKGQ<br/> EQREFALSNLKAGAKDILVATDVAGRGIDIQDYSMVVNYDMAKNIEDYIHRIGRTGRAGKSGVAITFLTK<br/> EDSAVFYELKQAI LESPVSSCPPELANHPDAQHKPGTILTKKRREETIFA</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:             | NM_004818                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ORF Size:         | 2460 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer:           | PBS with 0.001% Pluronic F5228                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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_004818.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq Size:      | 3288 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq ORF:       | 2463 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Locus ID:         | 9416                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:       | <a href="#">Q9BUQ8</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cytogenetics:     | 12q13.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MW:               | 95.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |