

## Product datasheet for **RC205560A1V**

### Human USP44 (NM\_032147) AAV Particle

#### Product data:

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | AAV Particles                        |
| Product Name:             | Human USP44 (NM_032147) AAV Particle |
| Tag:                      | Myc-DDK                              |
| Symbol:                   | USP44                                |
| Mammalian Cell Selection: | None                                 |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)           |



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ORF Nucleotide  
Sequence:

>RC205560 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCTAGCAATGGATACGTGCAACATGTTGGGCAGCTGCAGCTTGCTCAAGACCATTCCAGCCTCAACC  
CTCAGAAATGGCACTGTGTGGACTGCAACACGACCGAGTCCATTTGGGCTTGCCTTAGCTGCTCCCATGT  
TGCCTGTGGAAGATATATTGAAGAGCATGCACTCAAGCACTTTCAAGAAAGCAGTCATCCTGTTGCATTG  
GAGGTGAATGAGATGTACGTTTTTTGTACCTTTGTGATGATTATGTTCTGAATGATAACGCAACTGGAG  
ACCTGAAGTTACTACGACGTACATTAAGTGCCATCAAAAGTCAAAATTACTCTGCACAACCTCGTAGTGG  
GAGGTTTTTACGGTCCATGGGTACAGGTGATGATTCTTATTTCTTACATGACGGTGCCCAATCTCTGCTT  
CAAAGTGAAGATCAACTGTATACTGCTCTTTGGCACAGGAGAAGGATACTAATGGGTAAAATCTTTCGAA  
CATGGTTTGAACAATCACCCATTGGAAGAAAAAGCAAGAAGAACCATTTTCAGGAAAAATAGTAGTAAA  
AAGAGAAGTAAAGAAAGACGGCAGGAATTGGAGTATCAAGTTAAAGCAGAATTGGAAAGTATGCCTCCA  
AGAAAGAGTTTACGTTTACAAGGGCTCGCTCAGTCGACCATAATAGAAATAGTTTCTGTTTCAGGTGCCAG  
CACAAACGCCAGCATCACCGCAAAAGATAAAGTACTCTCTACCTCAGAAAAATGAAATATCTCAAAAAGT  
CAGTGACTCCTCAGTTAAACGAAGGCCAATAGTAACTCCTGGTGTAAACAGGATTGAGAAATTTGGGAAAT  
ACTTGCTATATGAATCTGTTCTTCAGGTATTGAGTCATTTACTTATTTTTCGACAATGTTTTTAAAGC  
TTGATCTGAACCAATGGCTGGCTATGACTGCTAGCGAGAAGACAAGATCTTGAAGCATCCACCAGTCAC  
AGATACAGTAGTATATCAATGAATGAATGTGAGGAAAAAGATACAGGTTTTGTTGCTCCAGACAATCA  
AGTCTGTATCAGGACTAAGTGGTGGAGCATCAAAAGGTAGAAAGATGGAACCTATTTCAGCCAAAGGAGC  
CAACTTCACAGTACATTTCTCTTGTGATGAATTGCATACTTTGTTCCAAGTCATGTGGTCTGGAAGATG  
GGCGTTGGTCTACCATTTGCTATGCTACACTCAGTGTGGAGACTCATTCTGCCTTTTCGTGGTTACGCC  
CAACAAGACGCTCAGGAATTTCTTTGTGAACCTTTAGATAAAATACAACGTGAATTAGAGACAACCTGGTA  
CCAGTTTACCAGCTCTTATCCCCACTTCTCAAAGGAACTCATCAAACAAGTTCTGAATGTTGTAATAA  
CATTTTTTCATGGACAACCTCTTAGTCAGGTTACATGTCTTGATGTGACAACAAATCAAATACCATAGAA  
CCTTTCTGGGACTTGTCAATTGGAGTTTCCAGAAAGGTATCAATGCAGTGGAAAAGATATTGCTTCCAGC  
CATGTCTGGTTACTGAAATGTTGGCCAAATTTACAGAACTGAAGCTTTAGAAGGAAAAATCTACGTATG  
TGACCAGTGAACCTCAAAGCGTAGAAGGTTTTCTCCTCAAACCAAGTTGACTCACAGAAGCCAGAAACAA  
CTTATGATATGCCACCTACCTCAGGTTCTCAGACTGCACCTCAAACGATTCAGGTGGTCAGGACGTAATA  
ACCGAGAGAAGATTGGTGTTCATGTTGGCTTTGAGGAAATCTTAAACATGGAGCCCTATTGCTGCAGGGA  
GACCCTGAAATCCCTCAGACCAGAATGCTTTATCTATGACTTGTCCGCGGTGGTGTATGCACCATGGGAAA  
GGATTTGGCTCAGGGCACTACACTGCCTACTGTATAATTCTGAAGGAGGGTTCTGGGTACACTGCAATG  
ATTCCAACTAAGCATGTGCACTATGGACGAAGTATGCAAGGCTCAAGCTTATATCTTGTGTTTATACCCA  
ACGAGTTACTGAGAATGGACATTCTAACTTTTGCCTCCAGAGCTCCTGTTGGGAGCCAAACATCCCAAT  
GAAGACGCTGATACCTCGTCTAATGAAATCCTTAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC205560 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MLAMDTCKHVGQLQLAQDHSSLNPQKWHCVDCNTTESIWACLSCSHVACGRYIEEHALKHFQESSHPVAL<br/> EVNEMYVFCYLDDYVLNDNATGDLKLLRRTL SAIKSQNYHCTTRSGRFLRSMGTGDDSYFLHDGAQSLL<br/> QSEDQLYTALWHRRIILMGKIFRTWFEQSPIGRKKQEEPQEKIVVKREVKKRRQELEYQVKALESMP<br/> RKSLRLQGLAQSTIIIEIVSVQVPAQTPASPAKDKVLSTSENEISQKVSDDSVKRRPIVTPGVTGLRNLGN<br/> TCYMNSVLQVLSHLLIFRQCFLKLDLNQWLAMTASEKTRSCKHPPVTDTVVYQMNECQEKDTGFVCSRQS<br/> SLSSGLSGGASKGRKMELIQPKEPTSQYISLCHLHTLFQVMWSGKWALVSPFAMLHWSVWRLIPAFRGYA<br/> QQDAQEFLCELLDKIQRELETTGTSLPALIPTSQRKLIKQVLNVVNNIFHGQLLSQVTCACDNKSNTIE<br/> PFWDLSEFPERYQCSGKDIA SQPCLVTEMLAKFTETEALGKIYVCDQCNSKRRRFSKPVVLTEAQKQ<br/> LMICHLPQVLRHLKRFWRWGRNNREKIGVHVGFEIILNMEPYCCRETLSLRPECFIYDL SAVVMHHGK<br/> GFGSGHYTAYCYNSEGGFWVHCNDSKLSMCTMDEVCKAQAYILFYTQRTENGHSLKLPPELLLSQHPN<br/> EDADTSSNEILS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ACCN:             | NM_032147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ORF Size:         | 2136 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Buffer:           | PBS with 0.001% Pluronic F5728                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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_032147.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq Size:      | 4035 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq ORF:       | 2139 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Locus ID:         | 84101                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt ID:       | <a href="#">Q9H0E7</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Cytogenetics:     | 12q22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MW:               | 81.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |