

## Product datasheet for **RC204052A1V**

### Human NASP (NM\_002482) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human NASP (NM_002482) AAV Particle |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | NASP                                |
| Synonyms:                 | FLB7527; HMDRA1; PRO1999            |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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**ORF Nucleotide  
Sequence:**

&gt;RC204052 ORF sequence

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

 TTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCATGGAGTCCACAGCCACTGCCGCCGTCGCCGCGAGCTGGTTTCTGCCGACAAAATTGAAGATG  
 TTCCTGCTCCTTCTACATCTGCAGATAAAGTGGAGAGTCTGGATGTGGATAGTGAAGCTAAGAACTATT  
 GGGTTTAGGACAGAAACATCTGGTGATGGGGATATTCCAGCAGCTGTCAATGCATTCCAGGAAGCAGCT  
 AGTCTTTTAGGTAAGAAGTATGGAGAGACAGCTAATGAGTGTGGAGAAGCCTTCTTTTCTATGGGAAAT  
 CACTTCTGGAGTTGGCAAGAATGGAGAATGGTGTGTTGGGAAACGCCCTTGAAGGTGTGCATGTGGAAGA  
 GGAAGAAGGAGAAAAACAGAAGATGAATCTCTGGTAGAAAATAATGATAACATAGATGAGGAAGCAAGG  
 GAAGAGTTGAGAGAACAGGTTTATGACGCCATGGGAGAAAAAGAAGCCAAAAAACAGAAGACAAGT  
 CTTTGGCAAAAGCCTGAACTGATAAAGAACAGGACAGTGAATGGAGAAGGTGGAAGAGAAGATATGGA  
 TATAAGTAAATCTGCAGAGGAGCCACAGGAAAAAGTTGACTTGACTCTAGATTGGTTAACTGAAACCTCT  
 GAAGAGGCAAAAGGAGGAGCAGCACCAGAAGGACCGAATGAAGCTGAGGTCACTTCTGGGAAGCCAGAAC  
 AGGAAGTACCAGATGCTGAGGAAGAAAAATCAGTTTCTGGAAGTATGTCCAAGAAGAGTGCAGAGAAAA  
 AGGAGGTGAGGAGAAGCAGGGAGAGGTAATTGTGAGCATAGAGGAGAAGCCAAAAGAAGTTTCAAGAGAG  
 CAGCCTGTGGTGAATCTAGAAAAGCAGGGCACTGCAGTGGAGGTAGAAGCAGAGTCTTTAGACCCGACAG  
 TCAAGCCAGTGGATGTGGGTGGGACGAGCCAGAGGAGAAGGTAGTTACCTCTGAAAACGAGGCAGGAAA  
 GGCGGTTCTTGAACAAGTGGTAGGTCAAGAAGTACCACCTGCTGAAGAGTCACCAGAGGTGACAACAGAG  
 GCTGCAGAGGCCTCAGCTGTAGAGGCTGGATCAGAAGTCTCTGAAAAGCCTGGGACGAGGCTCCAGTTC  
 TCCCTAAGGATGGTGCAGTCAATGGACCGTCAGTTGTAGGAGATCAGACTCCTATTGAACCACAGACTTC  
 TATAGAAAAGACTGACAGAAACAAAAGATGGCTCAGGACTAGAGGAGAAGGTGAGGCAAAAGCTGGTTCCT  
 AGTCAGGAGGAGACTAAGCTGTCTGTAGAAGAGTCTGAGGCAGCTGGAGATGGGTTGATACCAAGGTAG  
 CCCAGGGAGCTACTGAGAAATCACCTGAAGACAAAGTTCAAGATAGCTGCTAATGAAGAGACACAAGAGAG  
 AGAAGAACAGATGAAAGAGGGTGAAGAACTGAAGGCTCAGAAGAGGATGATAAAGAAAATGATAAGACC  
 GAAGAAATGCCAAATGATTCACTCCTTGAACAAGTCTCTTCAAGAAAATGAGGAGGAGGAGATTGGGA  
 ACCTAGAGCTTGCCTGGGATATGCTGGATTTAGCAAAGATCATTTTTAAAGGCAAGAAACAAAAGAAGC  
 ACAGCTTTATGCTGCCAGGCACATCTTAACTCGGAGAAGTTAGTGTGAATCTGAAAACATATGTGCAA  
 GCTGTGGAGGAGTTCCAGTCTGCCTTAACCTGCAGGAACAGTACCTGGAAGCCACGACCGTCTCCTTG  
 CAGAGACCCACTACCAGCTGGGCTTGGCTTATGGGTACAACTCTCAGTATGATGAGGCAGTGGCAGAGTT  
 CAGCAATCTATTGAAGTCATTGAGAACAGAATGGCTGTACTAAACGAGCAGGTGAAGGAGGCTGAAGGA  
 TCGTCTGCTGAATACAAGAAAGAAATTGAGGAACTAAAGGAACTGCTACCCGAAATTAGAGAGAAGATAG  
 AAGATGCAAAGGAGTCTCAGCGTAGTGGGAATGTAGCTGAAGTGGCTCTGAAAGCTACTCTGGTGGAGAG  
 TTCTACTTCAGGTTTCACTCCTGGTGGAGGAGGCTCTTCAGTCTCCATGATTGCCAGTAGAAAGCCAACA  
 GACGGTGCTTCTCATCAAAATTGTGTGACTGATATTTCCACCTTGTGAGAAAGAAGAGGAAACCAAGAGG  
 AAGAGAGTCCCGGAAAGATGATGCAAAGAAAGCCAAACAAGAGCCGAGGTGAACGGAGGCAGTGGGGA  
 TGCTGTCCCAAGTGGAAATGAAGTTTCGAAAACATGGAGGAGGAGGCTGAGAATCAGGCTGAAAGCCGG  
 GCAGCAGTGGAGGGACAGTGGAGGCTGGAGCTACAGTTGAAAGCACTGCATGT

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC204052 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MAMESTATAAVALVADKIEDVPAPSTSADKVESLDVDSEAKKLLGLGQKHLVMGDIPAAVNAFQEEA<br/> SLLGKKYGETANECGEAFFFYGKSLLLEARMENGVLGNALEGVHVEEEGEKTEDESLVENNDNIDEEAR<br/> EELREQVYDAMGEKEEAKKTEDKSLAKPETDKEQDSEMEKGGREDMDISKSAEPPQEKVDLTDLWTETS<br/> EEAKGGAAPEGPNEAEVTSKGPEQEVPADEEEKSVSGTDVQEECREKGGQEKQGEVIVSIEEKPKEVSEE<br/> QPVVLTLEKQGTAVEVEAESLDPTVKPVDVGGDEPEEKVVTSENEAGKAVLEQLVGQEVPPAESPEVTTE<br/> AAEASAVEAGSEVSEKPGQEAAPVLPKDGAVNGPSVVGDTPIEPQTSIERLTETKDGSGLEEKVRAKLV<br/> SQEETKLSVEESEAAGDGVDTKVAQGATEKSPEDKVQIAANEETQEREEQMKEGEETEGSEEDDKENDKT<br/> EEMPNDVLENKSLQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQHLKLGEVSVSENYVQ<br/> AVEEFQSCLNLQEQYLEAHDRLLAETHYQLGLAYGYSQYDEAVAQFSKSIEVIENRMAVLNEQVKEAEG<br/> SSAEYKKEIEELKELLPEIREKIEDAKESQSRSGNVAELALKATLVESSTSGFTPGGGSSVSMIASRKPT<br/> DGASSNCVTDISHLVRKKRKPEEESPRKDDAKKAKQEPEVNGGSGDAVPSGNEVSENMEEEAENQAESR<br/> AAVEGTVEAGATVESTAC</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ACCN:             | NM_002482                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Size:         | 2364 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Buffer:           | PBS with 0.001% Pluronic F5520                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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_002482.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq Size:      | 3301 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RefSeq ORF:       | 2367 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Locus ID:         | 4678                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt ID:       | <a href="#">P49321</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cytogenetics:     | 1p34.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MW:               | 85.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |