

## Product datasheet for **RC225632A1V**

### Human Dematin (DMTN) (NM\_001114135) AAV Particle

#### Product data:

|                |                            |
|----------------|----------------------------|
| Product Type:  | AAV Particles              |
| Tag:           | Myc-DDK                    |
| Symbol:        | Dematin                    |
| Synonyms:      | DMT; EPB49                 |
| Mammalian Cell | None                       |
| Selection:     |                            |
| Vector:        | pAAV-AC-Myc-DDK (PS100089) |

**ORF Nucleotide Sequence:** >RC225632 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGAACGGCTGCAGAAGCAACCCTTACCTCCCCGGGAGCGTGAGCCCTCCCGAGATTCCAGTGTGC  
CTGGCTCTCCCTCCAGCATCGTGGCAAGATGGACAATCAGGTGCTGGGCTACAAGACCTGGCTGCCAT  
CCCCAAGGACAAGGCCATCCTGGACATCGAGCGGCCCGACCTCATGATCTACGAGCCTCACTTCACTTAT  
TCCCTCCTGGAACACGTGGAGCTGCCTCGCAGCCGCGAGCGCTCGCTGTACCCAAATCCACATCCCCC  
CACCATCCCCAGAGGTGTGGCGGACAGCCGGTCGCCTGGAATCATCTCTCAGGCCTCGGCCCCAGAAC  
CACTGGAACCCCCGGACCAGCCTGCCCATTTCCACCACCTGAGACCTCCCGCCAGATTCCAACATC  
TACAAGAAGCCTCCCATCTATAAGCAGAGAGAGTCCGTGGGAGGCAGCCCTCAGACCAAGCACCTCATCG  
AGGATCTCATCATCGAGTCATCCAAGTTTCTGAGCCAGCCCCAGACCCCAACCAGCCAGCCAAAAT  
CGAAACCGACTACTGGCCATGCCCCCGTCTCTGGCTGTTGTGGAGACAGAATGGAGGAAGCGGAAGGCG  
TCTCGGAGGGGAGCAGAGGAAGAGGAGGAGGAAGATGACGACTCTGGAGAGGAGATGAAGGCTCTCA  
GGGAGCGTCAGAGAGAGGAACTCAGTAAGGTTACTTCCAATTTGGGAAAGATGATCTTGAAAGAAGAGAT  
GGAAAAGTCATTGCCGATCCGAAGGAAAACCCGCTCTCTGCCTGACCGGACACCCCTTCCATACCTCCTTG  
CACCAGGGAACGTCTAAATCTTCTCTCTCCCCGCCTATGGCAGGACCACCTGAGCCGGCTACAGTCCA  
CAGAGTTACGCCATCAGGGAGTGAGACTGGAAGCCAGGCCTGCAGAACGGAGAGGGCCAGAGGGGGAG  
GATGGACCGGGGGAACCTCCTGCCCTGTGTGCTGGAGCAGAAGATCTATCCCTATGAAATGCTAGTGGTG  
ACCAACAAGGGGGAACCAAGCTGCCACCGGGGTGGATCGGATCGGGCTTGAGAGGCATCTGTCTGCCG  
AGGACTTCTAAGGGTATTTGCCATGTCCCTGAAGAGTTTGGCAAGCTGGCTCTGTGAAGCGGAATGA  
GCTCAAGAAGAAGCCTCTCTTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protein Sequence:</b> | <p>&gt;RC225632 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MERLQKQPLTSPGSVSPSRDSSVPGSPSSIVAKMDNQVLGYKDAAIPKDKAILDIERPDLMIYEPHFTY<br/>         SLLEHVLPSPRSRSLSPKSTSPPPSPEVWADSRSPGIISQASAPRTTGTPTSLPHFHPETSRPDSNI<br/>         YKKPIYKQRESVGGSPQTKHLIEDLIISSKFPAAPDPNQPAKIETDYWPCPPSLAVVETEWKRKA<br/>         SRRGAEEDDDSGEEMKALRERQRELSKVTSNLGKMILKEEMKSLPIRRKTRSLPDRTPFHTSL<br/>         HQGTSKSSSLPAYGRTTSLRLQSTEFSPSGSETGSPGLQNGEGQRGRMDRGNLPCVLEQKIYPYEMLVV<br/>         TNKGRTKLPPGVDRMLERHLAEDFSRVFAMSPPEFGKLALWKRNELKKKASLF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| <b>Species:</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Serotype:</b>         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ACCN:</b>             | NM_001114135                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ORF Size:</b>         | 1215 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer:</b>           | PBS with 0.001% Pluronic F68                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Stability:</b>        | 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.                                                                                                                       |
| <b>RefSeq:</b>           | <u>NM_001114135.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>      | 2604 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>       | 1218 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Locus ID:</b>         | 2039                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>UniProt ID:</b>       | <u>Q08495</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>     | 8p21.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MW:</b>               | 45.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |