

## Product datasheet for **RC215025A1V**

### Human LRSAM1 (NM\_138361) AAV Particle

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | AAV Particles                         |
| Product Name:             | Human LRSAM1 (NM_138361) AAV Particle |
| Tag:                      | Myc-DDK                               |
| Symbol:                   | LRSAM1                                |
| Synonyms:                 | CMT2P; RIFLE; TAL                     |
| Mammalian Cell Selection: | None                                  |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)            |



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## ORF Nucleotide Sequence:

>RC215025 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGCCGCTCTTCTTCGGAAGCGGAAACCCAGTGAGGAGGCTCGGAAACGCCTGGAGTACCAGATGTGTT  
TGGCAAAAGAAGCTGGGGCAGATGACATTCTCGACATCTCTAAATGTGAGCTCTCAGAGATTCCATTG  
AGCTTTTGCAACATGCAAAGTTCTGCAGAAGAAGGTGCTGATCGTCCACACGAATCACCTCACTTCCCTG  
CTTCCCAAATCTGCAGCCTCCTGAGTCTGGCAACCATTAAGGTTCTAGATCTCCACGATAATCAGCTGA  
CAGCCCTTCTGACGATCTGGGGCAGCTGACTGCCCTCCAGGTCTTAAACGTGGAAGGAATCAACTGAT  
GCAGCTCCACGTTCCATTGGGAACCTGACCCAGCTCCAGACTCTCAATGTTAAAGACAACAAGCTGAAG  
GAGCTTCCAGACACCGTGGGGGAGCTTGAAGCCTGCGTACCCTCAACATCAGTGGAACGAGATCCAGA  
GATTGCCGAGATGCTGGCTCACGTTCAACCCCTGGAGATGCTGAGCCTTGACGCCTCGGCCATGGTCTA  
CCCGCCGCGGGAGGTGTGTGGTCCGGCACTGCGGCCATCTTGCAAGTCTCTGCAAAGAGTCAGGGCTG  
GAATACTACCCCTTCTCAGTACTTGTGCAATTCTGGAGCAAGATGGAATCGAGAATCTCGGGACA  
GCCCTGATGGGCCCACGACAGATTCTCAAGGGAGGAGTTAGAGTGGCAGAACAGGTTCTCAGACTATGA  
GAAGAGGAAGGAACAGAGATGCTGGAGAACTCGAGTTTGAACGGCGCCTGGAAGTGGGGCAGCGGGAG  
CACACCCAGCTCCTTCAGCAGAGCAGCAGCCAGAAGGATGAGATCCTTCAGACGGTCAAGGAGGAGCAGT  
CCCGGCTGGAGCAGGGCCTGAGTGAGCACCAGCGCCACCTCGACGCAGAGCGGCAGCGGCTGCAGGAGCA  
GCTGAAGCAGACGGAACAGAACATTTCCAGCCGGATCCAGAAGCTGCTGCAGGACAATCAGAGACAAAAG  
AAAAGCTCCGAGATTTTGAATCGCTGGAAAATGAAAGAATAAGAATGGAACAGTTGATGTCCATAACCC  
AGGAGGAGACTGAGAGCCTGCGGCGACGTGACGTTGCCCTCCGCCATGCAGCAGATGCTGACTGAGAGCTG  
TAAGAACCAGGCTCATCCAGATGGCCTACGAATCTCAGAGGCAGAACTGGTCCAGCAGGCCTGTTCCAGC  
ATGGCCGAAATGGATGAACGATTCCAGCAGATTCTGTCGTGGCAGCAAATGGATCAGAACAAAGCCATCA  
GCCAGATCCTGCAGGAGAGCGCGATGCAGAAGGCTGCGTTTCGAGGCACTCCAGGTGAAGAAAGACCTGAT  
GCATCGGCAGATCAGGAGCCAGATTAAGTTAATAGAACTGAGTTATTGCAGCTGACACAGCTGGAGTTA  
AAGAGGAAGTCCCTGGACACAGAGTCACTCCAGGAGATGATCTCGGAGCAGCGCTGGGCCCTCAGCTCCC  
TGCTCCAGCAGCTGCTCAAAGAGAAGCAGCAGCGAGAGGAAGAGTCCGGGAAATCCTGACGGAGTTAGA  
AGCCAAAAGTGAACACAGGCAGGAAAATTACTGGCTGATTCAGTATCAACGGCTTTTGAACAGAAAGCCC  
TTGTCTTGAAGCTGCAAGAAGAGGGGATGGAGCGCCAGCTGGTGGCCCTCCTGGAGGAGCTGTGCGCTG  
AGCACTACCTGCCATCTTTGCGCACCACCGCCTCTCACTGGACCTGCTGAGCCAAATGAGCCCAGGGGA  
CCTGGCCAAGGTGGGCGTCTCAGAAGCTGGCCTGCAGCACGAGATCCTCCGGAGAGTCCAGGAATGCTG  
GATGCAGCCAGGATCCAGCCAGAGCTGAAACCAATGGGTGAGGTCGTCAACCCCTACGGCCCCCAGG  
AGCCTCCTGAGTCTGTGAGGCCATCCGCTCCCCTGCAGAGCTGGAGGTGCAGGCCTCAGAGTGTGTCGT  
GTGCTTGAACGGGAGGCCAGATGATCTTCTCAACTGTGGCCACGTCTGCTGCTGCCAGCAGTGTGTC  
CAGCCACTGCGCACCTGCCGCTGTGCCGCCAGGACATCGCCAGCGCCTCCGCATCTACCACAGCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC215025 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MPLFFRKRPSEEARKRLEYQMCLAKEAGADDILDISKCELSEIPFGAFATCKVLQKKVLIVHTNHLTSL<br/> LPKSCSLLSLATIKVLDLHDNQLTALPDDLQQLTALQVLNVERNQLMQLPRSIGNLTQLQTLNVKDNKLLK<br/> ELPDTVGELRSLRTLNIISGNEIQRLPQMLAHVRTLEMLSLDASAMVYPPREVCGAGTAAILQFLCKESGL<br/> EYPPSQYLLPILEQDGIENSRRDSDGPTDRFSREELEWQNRFSDEYKKEQKMLEKLEFERRLELGQRE<br/> HTQLLQSSSQKDEILQTVKKEQSRLEQGLSEHQRLDAERQRLQEQLKQTEQNISSRIQKLLQDNQRQK<br/> KSSEILKSLENERIRMEQLMSITQEETESLRRRDVASAMQMLTESCKNRLIQMAYESQRQNLVQQACSS<br/> MAEMDERFQQILSWQMDQNKAISQILQESAMQKAAFEALQVKKDLMHRQIRSQIKLIETELLQLTQLEL<br/> KRKSLDTESLQEMISEQRWALSSLLQQLLKEKQREELREILTELEAKSETRQENYWL IQYQRLNQP<br/> LSLKLQEEGMRQLVALLEELSAEHYLPFAHHRLSLDLLSQMSPGDLAKVGVSEAGLQHEILRRVQELL<br/> DAARIQPELKPPMGEVVTPTAPQEPPESVRPSAPPAELEVQASECVVCLEREAQMIFLNCGHVCCCQCC<br/> QPLRTCPLCRQDIAQRLRIYHSS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ACCN:             | NM_138361                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ORF Size:         | 2169 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Buffer:           | PBS with 0.001% Pluronic F7307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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_138361.3</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq Size:      | 3405 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RefSeq ORF:       | 2172 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Locus ID:         | 90678                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt ID:       | <a href="#">Q6UWE0</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cytogenetics:     | 9q33.3-q34.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MW:               | 83.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |