

## Product datasheet for **RC208273A1V**

### Human OAS2 (NM\_002535) AAV Particle

#### Product data:

|                           |                                     |
|---------------------------|-------------------------------------|
| Product Type:             | AAV Particles                       |
| Product Name:             | Human OAS2 (NM_002535) AAV Particle |
| Tag:                      | Myc-DDK                             |
| Symbol:                   | OAS2                                |
| Mammalian Cell Selection: | None                                |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)          |



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## ORF Nucleotide Sequence:

>RC208273 ORF sequence

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAAATGGGAGTCCCAGCTGTCTCGGTGCCTGCTCAGAAGCTGGGTTGGTTTATCCAGGAATACC  
TGAAGCCCTACGAAGAATGTCAGACACTGATCGACGAGATGGTGAACACCATCTGTGACGTCCTGCAGGA  
ACCCGAACAGTTCCCCCTGGTGCAGGGAGTGGCCATAGGTGGCTCCTATGGACGGAACAGTCTTAAGA  
GGCAACTCCGATGGTACCCTTGTCTCTTCTCAGTGACTTAAAAACAATTCCAGGATCAGAAGAGAAGCC  
AACGTGACATCCTCGATAAACTGGGGATAAGCTGAAGTTCTGTCTGTTACGAAGTGGTTGAAAAACAA  
TTTCGAGATCCAGAAGTCCCTTGTGGGTTCCCATCCAGGTGTTACAAAAAATCAGAGAATCTCTTTC  
GAGGTGCTGGCCGCTTCAACGCTCTGAGCTTAAATGATAATCCAGCCCTGGATCTATCGAGAGCTCA  
AAAGATCCTTGGATAAGACAAATGCCAGTCTGGTGAGTTGCAGTCTGCTTCACTGAATCCAGCAGAA  
GTTTTTTGACAACCGTCTGGAAAACTAAAGGATTTGATCCTCTTGATAAAGCACTGGCATCAACAGTGC  
CAGAAAAAATCAAGGATTTACCTCGCTGTCTCCGTATGCCCTGGAGCTGCTTACGGTGTATGCCTGGG  
AACAGGGGTGCAGAAAAGACAATTTGACATTGCTGAAGGCGTCAGAACCCTTCTGGAGCTGATCAAATG  
CCAGGAGAAGCTGTGTATCTATTGGATGGTCAACTACAATTTGAAGATGAGACCATCAGGAACATCCTG  
CTGCACCAGCTCCAATCAGCGAGGCCAGTAATCTTGGATCCAGTTGACCCAACCAATAATGTGAGTGGAG  
ATAAAATATGCTGGCAATGGCTGAAAAAAGAAGCTCAACCTGGTTGACTTCTCCCAACCTGGATAATGA  
GTTACCTGCACCATCTTGAATGTTCTGCCTGCACCACTCTTCACGACCCAGGCCACCTTCTGGATAAG  
TTCATCAAGGAGTTTCTCCAGCCCAACAAATGCTTCTAGAGCAGATTGACAGTGCTGTTAACATCATCC  
GTACATTCCTTAAAGAAAACTGCTTCCGACAATCAACAGCCAAGATCCAGATTGTCCGGGAGGATCAAC  
CGCCAAAGGCACAGCTCTGAAGACTGGCTCTGATGCCGATCTCGTCTGTTCATAACTCACTTAAAGC  
TACACCTCCCAAAAAACGAGCGGCACAAAATCGTCAAGGAAATCCATGAACAGCTGAAAGCCTTTTGA  
GGGAGAAGGAGGAGGAGCTTGAAGTCACTTTGAGCCTCCCAAGTGGAAGGCTCCAGGGTGCTGAGCTT  
CTCTCTGAAATCCAAAGTCTCAACGAAAGTGCAGCTTTGATGTGCTTCTGCCTTTAATGCACTGGGT  
CAGCTGAGTTCTGGCTCCACACCCAGCCCCGAGGTTTATGCAGGGCTCATTGATCTGTATAAATCCTCGG  
ACCTCCCGGGAGGAGAGTTTTCTACCTGTTTACAGTCTGCAGCGAACTTCATTGCTCCCGGCCAC  
CAAACTAAAGGATTTAATTCGCCTGGTGAAGCACTGGTACAAAGAGTGTGAAAGGAACTGAAGCCAAAG  
GGGTCTTGGCCCCAAAGTATGCCTTGGAGCTGCTCACCATCTATGCCTGGGAGCAGGGGAGTGGAGTGC  
CGGATTTTGACACTGCAGAAGGTTTCCGGACAGTCTTGAGCTGGTCACACAATATCAGCAGCTCTGCAT  
CTTCTGGAAGGTCAATTACAATTTGAAGATGAGACCGTGAGGAAGTTTCTACTGAGCCAGTTGCAGAAA  
ACCAGGCTGTGATCTTGGACCCAGCCGAACCCACAGGTGACGTGGGTGGAGGGGACCGTTGGTGTGGC  
ATCTTCTGGCAAAAGAAGCAAAGGAATGGTTATCCTCTCCCTGCTTCAAGGATGGGACTGGAACCCAAT  
ACCACCTTGGAAAGTGCCGGTAAAAGTCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC208273 protein sequence</p> <p>Red=Cloning site Green=Tags(s)</p> <p> MGNGESQLSSVPAQKLGWFIQEYLKPYEECQTLIDEMVNTICDVLQEPEQFPLVQGVAIGGSYGRKTVLR<br/> GNSDGTLLVFFSDLKQFQDQKRSQRDILDKTGDKLKFCFLTKWLKNNFEIQKSLDGFTIQVFTKNQRISF<br/> EVLAAFNALSLNDNPSPIYRELKRS�DKNASPGEFVCFTELQKFFDNRPGLKDLILLIKHWHQQC<br/> QKKIKDLPSPYALELLTVYAWEQGCRKDNFDIAEGVRTVLELIKCEKLCIYWMVNYNFEDETIRNIL<br/> LHQLQARPVILDPVDPNTNNVSGDKICWQLKKEAQTWLTSPNLDNELPAPSWNVLPAPLFTTPGHLLDK<br/> FIKEFLQPNKCFLEQIDSAVNIIRTFLKENCFRQSTAKIQIVRGGSTAKGTALKTGSDADLVVFHNSLKS<br/> YTSQKNERHKIVKEIHEQLKAFWREKEEELEVSFEPKWKAPRVLSFLSKSVLNEVSFSDVLPFALG<br/> QLSSGSTPSPEVYAGLIDLYKSSDLPGGEFSTCFVLQRNFIRSPTKLKDLIRLVKHWYKECERKLKPK<br/> GSLPPKYALELLTIYAWEQSGVPDFDTAEGFRTVLELVTQYQQLCIFWKVNYNFEDETVRKFLLSQLQK<br/> TRPVILDPAEPTGDVGGDRWCWHLAKEAKEWLSSPCFKDGTGNPIPPWKVPVKVI </p> <p> TRTRPLEQKLISEEDLAANDILDYKDDDDKV </p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCN:             | NM_002535                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ORF Size:         | 2061 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Buffer:           | PBS with 0.001% Pluronic F6237                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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_002535.2</a> , <a href="#">NP_002526.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RefSeq Size:      | 3647 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RefSeq ORF:       | 2064 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Locus ID:         | 4939                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:       | <a href="#">P29728</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cytogenetics:     | 12q24.13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MW:               | 78.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |