

Product datasheet for **RC211460A1V**

Human OPA1 (NM_130834) AAV Particle

Product data:

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| Product Type: | AAV Particles |
| Product Name: | Human OPA1 (NM_130834) AAV Particle |
| Tag: | Myc-DDK |
| Symbol: | OPA1 |
| Synonyms: | BERHS; largeG; MGM1; MTDPS14; NPG; NTG |
| Mammalian Cell Selection: | None |
| Vector: | pAAV-AC-Myc-DDK (PS100089) |



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ORF Nucleotide Sequence:

>RC211460 representing NM_130834
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCGACTACGTCGGCCGCTGTGGCCTGTGAGGTCTGCCAGTCTTTAGTGAACACAGCTCTGGAA
 TAAAAGGAAGTTTACCACTACAAAACTACATCTGGTTTCACGAAGCATTATCATTACATCATCTAC
 CTTAAAGCTTCAACGACCCCAATTAAGGACATCCTTTCAGCAGTTCTCTTCTCTGACAAAACCTTCCTTTA
 CGTAAACTGAAATTTCTCTCCAATTAATATGGCTACCAGCCTCGCAGGAATTTTGGCCAGCAAGATTAG
 CTACGAGACTCTTAAACTTCGCTATCTCATACTAGGATCGGCTGTTGGGGTGGCTACACAGCCAAAA
 GACTTTTGATCAGTGGAAAGATATGATACCGGACCTTAGTGAATATAAATGGATTGTGCCTGACATTGTG
 TGGAAATTGATGAGTATATCGATTTTGGAAAATTAGAAAAGCCCTTCTAGTTCAGAAGACCTTGTA
 AGTTAGCACCAGACTTTGACAAGATTGTTGAAAGCCTTAGCTTATTGAAGGACTTTTTTACCTCAGGTCA
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 TTTAGACCAACAGATCGTGGATCTGAAAGTGACAAGCATTTTAGAAAAGGTGTGACACAAAGAGAAAATTG
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 AATTTAAGCCTTGCAGTATCAGACTGCTTTTGGAAAATGGTACGAGAGTCTGTTGAACAACAGGCTGATA
 GTTTCAAAGCAACACGTTTTAACCTTGAAGTGAATGGAAGAATAACTATCCTCGCCTGCGGGAACCTTGA
 CCGGAATGAACTATTTGAAAAAGCTAAAAATGAAATCCTTGATGAAGTTATCAGTCTGAGCCAGGTTACA
 CCAAAACATTGGGAGGAAATCCTTCAACAATCTTTGTGGGAAAGAGTATCAACTCATGTATTGAAAACA
 TCTACCTTCCAGCTGCGCAGACCATGAATTCAGGAACCTTTAACACCACAGTGGATATCAAGCTTAAACA
 GTGGACTGATAAACTTCTAATAAAGCAGTAGAGGTTGCTTGGGAGACCCTACAAGAAGAAATTTTCC
 CGCTTTATGACAGAACCAGGAAAGGAAAGAGCATGATGACATATTTGATAAACTTAAAGAGGCTGTTAAGG
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 CAGGCTCGTCTCAAGGATACTGAAAATGCAATTGAAAACATGGTGGTCCAGACTGGAAAAGAGGTGGT
 TATACTGGAAGAATCGGACCCAAGAACAGTGTGTTTCAATGAAACCAAGAATGAATTGGAGAAGATGTT
 GAAATGTAATGAGGAGCACCCAGCTTATCTTGAAGTATGAAATAACCACAGTCCGGAAGAACCTTGAA
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 TAAAAACAGCTCTAAACCATTGTAACCTTTGTCGAAGAGGTTTTTATTACTACCAAAAGGCATTTTGTAGA
 TTCTGAGTTGGAATGCAATGATGTGGTCTTGTGTTGGCGTATACAGCGCATGCTTGTATCACCGCAAT
 ACTTTAAGGCAACAACCTTACAAATACTGAAGTTAGGCGATTAGAGAAAAATGTTAAAGAGGATTGGAAG
 ATTTTGTGAAGATGGTGAAGAAGATTAAATGCTTACTGGTAAACCGGTTCAACTGGCGGAAGACCT
 CAAGAAAGTTAGAGAAATCAAGAAAACTTGATGCTTTCATTGAAGCTTTCATCAGGAGAAAAAGCGGA
 CCG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

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|--------------------------|---|
| Protein Sequence: | <p>>RC211460 representing NM_130834 Red=Cloning site Green=Tags(s)</p> <p>MWRLRRAAVACEVCQSLVKHSSGIGKSLPLQKLHLVSRSIYHSHHPTLKLQRPQLRTSFQQFSSLTNLPL RKLKFSPIKYGYQPRRFWPARLATRLLKRLYLILGSAVGGGYAKKTFDQWKDMIPDLSEYKWIVPDIV WEIDEYIDFEKIRKALPSSDLVKLAPDFDKIVESLSLLKDFFTSGHKL VSEVIGASDLLLLLSPEETA FRATDRGSESDKHFRKVSDEKIDQLQEELLHTQLKYQRILERLEKENKELRKLVLQKDDKGIHHRKLLK SLIDMYSEVLDVLSDYDASYNTQDHLPRVVVVGDSAGKTSVLEMIAQARIFPRGSGEMTRSPVKVTL EGPHHVALFKDSSREFDLTKEEDLAALRHEIELRMRKNVKEGCTVSPETISLNVKGPGLQRMVLDLPGV INTVTSGMAPDKETIFISISKAYMNPNAIILCIQDGSVDAERSIVTDLVSQMDPHGRRTIFVLTKVDLA EKNVASPSRIQQIIEGKLFPMKALGYFAVVTGKGNSSIEAIREYEEFFQNSKLLKTSMLKAHQVTTR NLSLAVSDCFWKMVRESVEQQADSFKATRFNLETEWKNNYPRLRELDNELFEKAKNEILDEVISLSQVT PKHWEEILQQSLWERSVTHVIENIYLPAAQTMNSGTFNTVDIKLKQWTDKQLPNKAVEVAWETLQEEFS RFMTEPKGKEHDDIFDKLKEAVKEESIKRHKWDFEAEDSLRVIQHNALEDRSISDKQQWDAAIYFMEEL QARLKDTENAIENMVGPDWKKRWLYWKNRTQEQCYNHNEKNELEKMLKCNEEHPAYLASDEITTVRKNLE SRGVEVPSLIKDTWHQVYRRHFLKTALNHCNLCRRGFYYYQRHFVDSLECNVVLFWRIQRMLAITAN TLRQQLTNTEVRRLEKNVKEVLEDAEDGEEKIKLLTGKRVQLAEDLKKVREIQEKLDAFIEALHQEKSG P</p> <p>SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species: | Human |
| Serotype: | AAV-2 |
| ACCN: | NM_130834 |
| ORF Size: | 744 bp |
| Buffer: | PBS with 0.001% Pluronic F68 |
| 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: | NM_130834.1 |
| RefSeq Size: | 5918 bp |
| RefSeq ORF: | 2937 bp |
| Locus ID: | 4976 |
| UniProt ID: | O60313 |
| Cytogenetics: | 3q29 |
| MW: | 113.3 kDa |