OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC217233A1V

Human OPA1 (NM_130836) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human OPA1 (NM_130836) AAV Particle
Tag:	Myc-DDK
Symbol:	OPA1
Synonyms:	BERHS; largeG; MGM1; MTDPS14; NPG; NTG
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)

View online »

ORF Nucleotide Sequence:

>RC217233 representing NM_130836
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCGACTACGTCGGGCCGCTGTGGCCTGTGAGGTCTGCCAGTCTTTAGTGAAACACAGCTCTGGAA
TAAAAGGAAGTTTACCACTACAAAAACTACATCTGGTTTCACGAAGCATTTATCATTCACATCATCCTAC
CTTAAAGCTTCAACGACCCCAATTAAGGACATCCTTTCAGCAGTTCTCTTCTCTGACAAACCTTCCTTTA
CGTAAACTGAAATTCTCTCCAATTAAATATGGCTACCAGCCTCGCAGGAATTTTTGGCCAGCAAGATTAG
CTACGAGACTCTTAAAACTTCGCTATCTCATACTAGGATCGGCTGTTGGGGGTGGCTACACAGCCAAAAA
GACTTTTGATCAGTGGAAAGATATGATACCGGACCTTAGTGAATATAAATGGATTGTGCCTGACATTGTG
TGGGAAATTGATGAGTATATCGATTTTGAGAAAATTAGAAAAGCCCTTCCTAGTTCAGAAGACCTTGTAA
AGTTAGCACCAGACTTTGACAAGATTGTTGAAAGCCTTAGCTTATTGAAGGACTTTTTTACCTCAGGTTC
TCCGGAAGAAACGGCGTTTAGAGCAACAGATCGTGGATCTGAAAGTGACAAGCATTTTAGAAAGGGTCTG
CTTGGTGAGCTCATTCTCTTACAACAACAAATTCAAGAGCATGAAGAGGAAGCGCGCAGAGCCGCTGGCC
AATATAGCACGAGCTATGCCCAACAGAAGCGCAAGGTGTCAGACAAAGAGAAAATTGACCAACTTCAGGA
AGAACTTCTGCACACTCAGTTGAAGTATCAGAGAATCTTGGAACGATTAGAAAAGGAGAACAAAGAATTG
AGAAAATTAGTATTGCAGAAAGATGACAAAGGCATTCATCATAGAAAGCTTAAGAAATCTTTGATTGACA
TGTATTCTGAAGTTCTTGATGTTCTCTCTGATTATGATGCCAGTTATAATACGCAAGATCATCTGCCACG
GGTTGTTGTGGTTGGAGATCAGAGTGCTGGAAAGACTAGTGTGTTGGAAATGATTGCCCAAGCTCGAATA
TTCCCAAGAGGATCTGGGGAGATGATGACACGTTCTCCAGTTAAGGTGACTCTGAGTGAAGGTCCTCACC
ATGTGGCCCTATTTAAAGATAGTTCTCGGGAGTTTGATCTTACCAAAGAAGAAGATCTTGCAGCATTAAG
ACATGAAATAGAACTTCGAATGAGGAAAAATGTGAAAGAAGGCTGTACCGTTAGCCCTGAGACCATATCC
TTAAATGTAAAAGGCCCTGGACTACAGAGGATGGTGCTTGTTGACTTACCAGGTGTGATTAATACTGTGA
CATCAGGCATGGCTCCTGACACAAAGGAAACTATTTTCAGTATCAGCAAAGCTTACATGCAGAATCCTAA
TGCCATCATACTGTGTATTCAAGATGGATCTGTGGATGCTGAACGCAGTATTGTTACAGACTTGGTCAGT
CAAATGGACCCTCATGGAAGGAGAACCATATTCGTTTTGACCAAAGTAGACCTGGCAGAGAAAAATGTAG
CCAGTCCAAGCAGGATTCAGCAGATAATTGAAGGAAAGCTCTTCCCAATGAAAGCTTTAGGTTATTTTGC
TGTTGTAACAGGAAAAGGGAACAGCTCTGAAAGCATTGAAGCTATAAGAGAATATGAAGAAGAGTTTTTT
CAGAATTCAAAGCTCCTAAAGACAAGCATGCTAAAGGCACACCAAGTGACTACAAGAAATTTAAGCCTTG
CAGTATCAGACTGCTTTTGGAAAATGGTACGAGAGTCTGTTGAACAACAGGCTGATAGTTTCAAAGCAAC
ACGTTTTAACCTTGAAACTGAATGGAAGAATAACTATCCTCGCCTGCGGGAACTTGACCGGAATGAACTA
TTTGAAAAAGCTAAAAATGAAATCCTTGATGAAGTTATCAGTCTGAGCCAGGTTACACCAAAACATTGGG
AGGAAATCCTTCAACAATCTTTGTGGGAAAGAGTATCAACTCATGTGATTGAAAACATCTACCTTCCAGC
TGCGCAGACCATGAATTCAGGAACTTTTAACACCACAGTGGATATCAAGCTTAAACAGTGGACTGATAAA
CAACTTCCTAATAAAGCAGTAGAGGTTGCTTGGGAGACCCTACAAGAAGAATTTTCCCGCTTTATGACAG
AACCGAAAGGGAAAGAGCATGATGACATATTTGATAAACTTAAAGAGGCTGTTAAGGAAGAAAGTATTAA
ACGACACAAGTGGAATGACTTTGCGGAGGACAGCTTGAGGGTTATTCAACACAATGCTTTGGAAGACCGA
TCCATATCTGATAAACAGCAATGGGATGCAGCTATTTATTTTATGGAAGAGGCTCTGCAGGCTCGTCTCA
AGGATACTGAAAATGCAATTGAAAACATGGTGGGTCCAGACTGGAAAAAGAGGTGGTTATACTGGAAGAA
TCGGACCCAAGAACAGTGTGTTCACAATGAAACCAAGAATGAATTGGAGAAGATGTTGAAATGTAATGAG
GAGCACCCAGCTTATCTTGCAAGTGATGAAATAACCACAGTCCGGAAGAACCTTGAATCCCGAGGAGTAG
AAGTAGATCCAAGCTTGATTAAGGATACTTGGCATCAAGTTTATAGAAGACATTTTTTAAAAACAGCTCT
AAACCATTGTAACCTTTGTCGAAGAGGTTTTTATTACTACCAAAGGCATTTTGTAGATTCTGAGTTGGAA
TGCAATGATGTGGTCTTGTTTTGGCGTATACAGCGCATGCTTGCTATCACCGCAAATACTTTAAGGCAAC
AACTTACAAATACTGAAGTTAGGCGATTAGAGAAAAATGTTAAAGAGGTATTGGAAGATTTTGCTGAAGA
TGGTGAGAAGAAGATTAAATTGCTTACTGGTAAACGCGTTCAACTGGCGGAAGACCTCAAGAAAGTTAGA
GAAATTCAAGAAAAACTTGATGCTTTCATTGAAGCTCTTCATCAGGAGAAAAGCGGACCG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217233 representing NM_130836
Red=Cloning site Green=Tags(s)

MWRLRRAAVACEVCQSLVKHSSGIKGSLPLQKLHLVSRSIYHSHHPTLKLQRPQLRTSFQQFSSLTNLPL
RKLKFSPIKYGYQPRRNFWPARLATRLLKLRYLILGSAVGGGYTAKKTFDQWKDMIPDLSEYKWIVPDIV
WEIDEYIDFEKIRKALPSSEDLVKLAPDFDKIVESLSLLKDFFTSGSPEETAFRATDRGSESDKHFRKGL
LGELILLQQQIQEHEEEARRAAGQYSTSYAQQKRKVSDKEKIDQLQEELLHTQLKYQRILERLEKENKEL
RKLVLQKDDKGIHHRKLKKSLIDMYSEVLDVLSDYDASYNTQDHLPRVVVVGDQSAGKTSVLEMIAQARI
FPRGSGEMMTRSPVKVTLSEGPHHVALFKDSSREFDLTKEEDLAALRHEIELRMRKNVKEGCTVSPETIS
LNVKGPGLQRMVLVDLPGVINTVTSGMAPDTKETIFSISKAYMQNPNAIILCIQDGSVDAERSIVTDLVS
QMDPHGRRTIFVLTKVDLAEKNVASPSRIQQIIEGKLFPMKALGYFAVVTGKGNSSESIEAIREYEEEFF
QNSKLLKTSMLKAHQVTTRNLSLAVSDCFWKMVRESVEQQADSFKATRFNLETEWKNNYPRLRELDRNEL
FEKAKNEILDEVISLSQVTPKHWEEILQQSLWERVSTHVIENIYLPAAQTMNSGTFNTTVDIKLKQWTDK
QLPNKAVEVAWETLQEEFSRFMTEPKGKEHDDIFDKLKEAVKEESIKRHKWNDFAEDSLRVIQHNALEDR
SISDKQQWDAAIYFMEEALQARLKDTENAIENMVGPDWKKRWLYWKNRTQEQCVHNETKNELEKMLKCNE
EHPAYLASDEITTVRKNLESRGVEVDPSLIKDTWHQVYRRHFLKTALNHCNLCRRGFYYYQRHFVDSELE
CNDVVLFWRIQRMLAITANTLRQQLTNTEVRRLEKNVKEVLEDFAEDGEKKIKLLTGKRVQLAEDLKKVR
EIQEKLDAFIEALHQEKSGP

SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_130836

ORF Size: 1268 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_130836.1

RefSeq Size: 5975 bp

RefSeq ORF: 2994 bp

Locus ID: 4976

UniProt ID: O60313

Cytogenetics: 3q29

MW: 115.7 kDa