

Product datasheet for **RC208209A1V**

Human OLIG2 (NM_005806) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human OLIG2 (NM_005806) AAV Particle
Tag:	Myc-DDK
Symbol:	OLIG2
Synonyms:	BHLHB1; bHLHe19; OLIGO2; PRKCBP2; RACK17
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC208209 representing NM_005806 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGGACTCGGACGCCAGCCTGGTGTCCAGCCGCCCGTCGTCGCCAGAGCCGATGACCTTTTTCTGCCGG
CCCGGAGTAAGGGCAGCAGCGGCAGCGCCTTCACTGGGGGCACCGTGTCTCGTCCACCCGAGTGACTG
CCCGCCGAGCTGAGCGCCGAGCTGCGCGGCCTATGGGCTCTGCGGGCGCGCATCCTGGGGACAAGCTA
GGAGGCAGTGGCTTCAAGTCRTCTCGTCCAGCACCTCGTCGTCTACGTCTCGTGGCGGCTGCGTCTGCA
CCAAGAAGGACAAGAAGCAAATGACAGAGCCGGAGCTGCAGCAGCTGCGTCTCAAGATCAACAGCCGCGA
GCGCAAGCGCATGCACGACCTAACATCGCCATGGATGGCCTCCGCGAGGTCATGCCGTACGCACACGGC
CCTTCGGTGGCAAGCTTTCCAAGATCGCCACGCTGCTGCTGGCGCGCAACTACATCCTCATGCTACCA
ACTCGCTGGAGGAGATGAAGCGACTGGTGGAGCGAGATCTACGGGGCCACCAGCTGGCTTCCACCCGTC
GGCCTGCGGGCGCCTGGCGCACTCCGCGCCCCTGCCGCGCCACCGCGCACCCGGCAGCAGCAGCGCAC
GCCGCACATACCCCGCGGTGCACCACCCATCCTGCCGCCCGCCGCGCAGCGGCTGCTGCCGCCGCTG
CAGCCCGGCTGTGTCCAGCGCCTCTGCCCAGATCCGGGCTGCCGTGGTGGCTCCATCCGTCACCC
GCACGGCCTACTCAAGTCTCCGTCTGCTGCCGCGCCGCCCGCTGGGGGGCGGGGGCGCGGCAGTGGG
GCGAGCGGGGCTTCCAGCACTGGGGCGCATGCCCTGCCCTGCAGCATGTGCCAGGTGCCGCCGCCG
ACCACCAGTGTGGCTATGGGGCGCGCAGCCTGCCGCGCTCACCTCCGACGCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208209 representing NM_005806
 Red=Cloning site Green=Tags(s)

MDSASLVSSRPSSPEPDDLFLPARSKGSSGSAFTGGTVSSSTPSDCPPELSAELRGAMGSAGAHPGDKL
 GSGFKXSSSTSSSTSSAAASSTKKDKKQMTPELQQLRLKINSRERKRMHDLNIAMDGLREVMPYAHG
 PSVRKLSKIATLLLLARNYILMLTNSLEEMKRLVSEIYGGHHAGFHPSACGGLAHSAPLPAATAHPAAAAH
 AAHHPAVHHPIILPPAAAAAAAAAAAAAVSSASLPGSGLPSVGSIRPPHGLLKSPSAAAAAPLGGGGGGSG
 ASGGFQHWGGMPCPCSMCQVPPPHHVSAAGAGSLPRLTSDAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species: Human

Serotype: AAV-2

ACCN: NM_005806

ORF Size: 969 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_005806.2](#)

RefSeq Size: 2505 bp

RefSeq ORF: 972 bp

Locus ID: 10215

UniProt ID: [Q13516](#)

Cytogenetics: 21q22.11

MW: 32.2 kDa

Product images:



Specificity validation of AAV particles with overexpression OLIG2 gene (NM_005806). After 72 hours infected HEK293T cells using OLIG2 AAV particles, OLIG2 gene expression (showed green) has been recognized by anti-DDK (FLAG) monoclonal antibody (Cat#: [TA50011-1], Dilution: 1:400).