

## Product datasheet for RC211328A1V

### Human Rhodopsin (RHO) (NM\_000539) AAV Particle

#### Product data:

Product Type:	AAV Particles
Product Name:	Human Rhodopsin (RHO) (NM_000539) AAV Particle
Tag:	Myc-DDK
Symbol:	Rhodopsin
Synonyms:	CSNBAD1; OPN2; RP4
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)
ORF Nucleotide Sequence:	>RC211328 representing NM_000539 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGAATGGCACAGAAGGCCCTAACTTCTACGTGCCCTTCTCCAATGCGACGGGTGTGGTACGCAGCCCCTTCGAGTACCCACAGTACTACCTGGCTGAGCCATGGCAGTTCTCCATGCTGGCCGCTACATGTTTCTGCTGATCGTGTGGGCTTCCCATCAACTTCTCACGCTCTACGTCACCGTCCAGCACAAGAAGCTGCGCAGCCTCTCAACTACATCCTGCTCAACCTAGCCGTGGTGACCTTTCATGGTCTAGGTGGCTTACCAGCACCTCTACACCTCTGTCATGGATACTTCGTCTTCGGGCCACAGGATGCAATTTGGAGGGCTTCTTTGCAACCTGGCGGTGAAATTGCCCTGTGGTCCTTGGTGGTCTGGCCATCGAGCGGTACGTGGTGGTGTGAAGCCATGAGCAACTTCCGCTTCGGGGAGAACCATGCCATCATGGGCGTTGCCTTACCTGGTGCATGGCGCTGGCTGCGCCGACCCCCACTCGCCGGCTGGTCCAGGTACATCCCCGAGGGCCTGCAGTGCCTGTGGAATCGACTACTACACGCTCAAGCCGGAGGTCAACAACGAGTCTTTTGTCTCATCATGTTCTGTGGTCACTTACCATCCCCATGATTATCATCTTTTCTGCTATGGGCAGCTCGTCTTACCCTCAAGGAGGCCCTGCCCCAGCAGGAGTCAGCCACCACAGAAAGGCAGAGAAGGAGGTACCCCGCATGGTCATCATCATGGTCATCGCTTTCCTGATCTGCTGGGTGCCCTACGCCAGCGTGGCATTCTACATCTTACCCACCAGGGCTCCAATTCGGTCCCATCTTCATGACCATCCCAGCGTTCTTTGCCAAGAGCGCCGCATCTACAACCTGTCACTATATCATGATGAACAAGCAGTTCGGAACTGCATGCTACCACCATCTGCTGCGGCAAGAACCCTACTGGGTGACGATGAGGCTCTGCTACCGTGTCCAAGACGGAGACGAGCCAGGTGGCCCCGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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<b>Protein Sequence:</b>	>RC211328 representing NM_000539 Red=Cloning site Green=Tags(s)  MNGTEGPNFYVPFSNATGVVRSPEYYPQYYLAEPWQFSMLAAYMFLIIVLGFPINFLTLYVTVQHKKLRT PLNYILLNLAVADLFMVLGGFTSTLYTSLHGYFVFGPTGCNLEGGFATLGGEIALWSLVLAIERVYVVC KPMSNFRFGENHAIMGVAF TWVMALACAAPLAGWSRYIPEGLQCSCGIDYYTLKPEVNNESFVIYMFVV HFTIPMIIIFFCYQLVFTVKEAAAQQQESATTQKAEKEVTRMVIIMVIAFLICWVPYASVAFYIFTHQG SNFGPIFMTIPAFFAKSAAIYNPVIYIMMNKQFRNCMLTTICCGKNPLGDDEASATVSKTETSQVAPA  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
<b>Species:</b>	Human
<b>Serotype:</b>	AAV-2
<b>ACCN:</b>	NM_000539
<b>ORF Size:</b>	1044 bp
<b>Buffer:</b>	PBS with 0.001% Pluronic F68
<b>Stability:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_000539.2</a>
<b>RefSeq Size:</b>	2767 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	6010
<b>UniProt ID:</b>	<a href="#">P08100</a>
<b>Cytogenetics:</b>	3q22.1
<b>MW:</b>	38.7 kDa