

Product datasheet for **RC202470A1V**

Human Optineurin (OPTN) (NM_001008211) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Optineurin (OPTN) (NM_001008211) AAV Particle
Tag:	Myc-DDK
Symbol:	OPTN
Synonyms:	ALS12; FIP2; GLC1E; HIP7; HYPL; NRP; TFIIIA-INTP
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC202470 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCTCATCACTCTCAGCTGCCTCACTGAAAAGGAGGACAGCCCCAGTGAAAGCACAGGAAATGGAC
 CCCCCACCTGGCCACCCAAACCTGGACACGTTTACCCCGGAGGAGCTGCTGCAGCAGATGAAAGAGCT
 CCTGACCGAGAACCACTGAGTGAAGAAGCCATGAAGCTAAATATCAAGCCATGAAAGGAGATTTGAG
 GAGCTTTCGGCCTGGACAGAGAAACAGAAGGAAGAAGCCAGTTTGTGATACAGAGCAAGAAGCAA
 AAGAGCGTCTAATGGCCTTGAGTCATGAGAATGAGAAATTGAAGGAAGAGCTTGGAAACTAAAAGGAA
 ATCAGAAAGGTCTCTGAGGACCCACTGATGACTCCAGGCTTCCAGGGCCGAGCGGAGCAGGAAAAG
 GACCAGCTCAGGACCCAGGTGGTGGGCTACAAGCAGAGAAGGCAGACCTGTTGGGCATCGTGTCTGAAC
 TGCAGCTCAAGCTGAATCCAGCGGCTCCTCAGAAGATTCTTTGTTGAAATTAGGATGGCTGAAGGAGA
 AGCAGAAAGGTGAGTAAAGAAATCAAGCATAGTCTGGGCCACGAGAACAGTCTCCACTGGCAGCGCA
 TTGTCTAAATATAGGAGCAGATCTGCAGATGGGGCCAAGAATTACTTCGAACATGAGGAGTTAATGTGA
 GCCAGCTCCTGTGTGCCTAAGGGAAGGGAATCAGAAGGTGGAGAGACTTGAAGTTGCACTCAAGGAGGC
 CAAAGAAAGAGTTTCAATTTTGAAGAAAACAAGTAATCGTTCTGAGATTGAAACCCAGACAGAGGGG
 AGCAGAGAGAAAGAGATGATGAAGAGAAAGGCCCGGAGACTGTTGGAAGCGAAGTGAAGCACTGAACC
 TCCAGGTGACATCTCTGTTTAAAGGAGCTTCAAGAGGCTCATACAAACTCAGCGAAGCTGAGCTAATGAA
 GAAGAGACTTCAAGAAAAGTGTCAAGGCCCTTGAAGGAAAAATTCTGCAATTCATCAGAGTTGAATGAA
 AAGCAAGAGCTTGTCTTACTAACAAAAAGTTAGAGCTACAAGTGGAAAGCATGCTATCAGAAATCAAAA
 TGGAAACAGGCTAAAACAGAGGATGAAAAGTCCAAATTAAGTGTCTACAGATGACACACAACAAGCTTCT
 TCAAGAACATAATAATGCATTGAAAACAATTGAGGAAGTAAAGAAAAGAGTCAGAAAAGTGGACAGG
 GCAGTGTGAAGAACTGAGTGAAGAACTGGAAGTGGCAGAGAAGGCTCTGGCTTCAAAACAGCTGCAAA
 TGGATGAAATGAAGCAAAACATTGCCAAGCAGGAAGAGGACCTGGAAACCATGACCATCTCAGGGCTCA
 GATGGAAGTTTACTGTTCTGATTTTCTGCTGAAAGAGCAGCGAGAGAGAAAAATCATGAGGAAAAGGAG
 CAAGTGGCATTGAGCTGGCAGTTCTGCTGAAAGAGAATGATGCTTTCGAAGACGGAGGCAGGCAGTCTCT
 TGATGGAGATGCAGAGTCGTATGGGGCAGACAAGTGAAGTCTGACAGCAGGCTTACCTTGTCAAAG
 AGGAGCTGAGGACAGGACTGGCGGCAACAGCGGAATATTCGATTCTTCTGCCCAAGTGTGGAGAG
 GTTCTGCCTGACATAGACACGTTACAGATTCACGTGATGGATTGCATCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202470 protein sequence
 Red=Cloning site Green=Tags(s)

MSHQPLSCLTEKEDSPSESTGNPPHLAHPNLDTFTPEELLQQMKELLTENHQLKEAMKLNQAMKGRFE
 ELSAWTEKQKEERQFFEIQSKEAKERLMALSHENEKLKEELGKLKGKSERSSDPTDDSRLPRAEAEQEK
 DQLRTQVVRQLQAEKADLLGIVSELQLKLNSSGSEDSFVEIRMAEGEAEAGSVKEIKHSPGPTRTVSTGTA
 LSKYRSRSADGAKNYFEHEELTVSQQLLCLREGNQKVERLEVALKEAKERVSDFEKKTNSRSEIETQTEG
 STEKENDEEKGPETVGSEVEALNLQVTSLSFKELQEAHTKLSEAELMKRLQEKQALERKNSAIPSELNE
 KQELVYTNKKLELQVESMLSEIKMEQAKTEDEKSKLTVLQMTNKLQEHNNALKTIEELTRKESEKVDRA
 AVLKELSEKLELAEKALASKQLQMDQKQTIKQEEDELTMTILRAQMEVYCSDFHAERAAREKIHEEKE
 QLALQLAVLLKENDAFEDGGRQSLMEMQSRHGARTSDSDQAYLVQRGAEDRDWRQQRNIPHSCPKCGE
 VLPDIDTLQIHVMDCII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:	NM_001008211
ORF Size:	1731 bp
Buffer:	PBS with 0.001% Pluronic F5339
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:	<u>NM_001008211.1, NP_001008212.1</u>
RefSeq Size:	3597 bp
RefSeq ORF:	1734 bp
Locus ID:	10133
UniProt ID:	<u>Q96CV9</u>
Cytogenetics:	10p13
MW:	65.9 kDa