

Product datasheet for **RC201669A1V**

Human Gigaxonin (GAN) (NM_022041) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Gigaxonin (GAN) (NM_022041) AAV Particle
Tag:	Myc-DDK
Symbol:	GAN
Synonyms:	GAN1; GIG; KLHL16
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC201669 representing NM_022041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTGAGGGCAGTGCCGTGTCTGACCCTCAGCACGCCGCGCTCTGCTGCGAGCGCTCAGCTCTTTCC
 GCGAGGAGTCTCGCTTCTGCGACGCGCACCTGGTCTCGACGGGAGGAGATCCCGGTGCAGAAGAACAT
 CCTGGCGGCGGCCAGCCGTACATCAGGACAAAGTTAAACTATAATCCTCCAAAAGATGATGGATCAACT
 TATAAGATTGAACCTGAAGGGATATCGTAATGGTTATGAGAGAGATCCTGGATTACATCTTCAGTGGGC
 AGATCAGGCTAAATGAAGATACAATCCAAGATGTTGTTAGGCAGCTGACCTGCTGCTACTGACGGACCT
 TAAACCTGTGCTGTGAGTTTTTGAAGGCTGCATTGCTGCTGAGAACTGTATTGGTATCCGTGACTTT
 GCACTACATTACTGCCTCCATCACGTTTACCTTGCCACAGAATACCTGGAGACTCATTTCCGAGACG
 TCAGCAGCACGGAAGAATTCTTAGAGCTGAGTCTCAAAGCTTAAAGAAGTGATTTCTCTTGAGAAGTT
 AAACGTTGGCAATGAAAGATATGTCTTTGAAGCAGTAATTCGATGGATAGCACATGATACAGAAATAAGA
 AAGGTCCACATGAAGGATGTTATGTGAGCTCTGTGGGTTTCAGGGTTGGACTCCAGTTATTTACGGGAAC
 AGATGTGAATGAACCATTAGTACGAGAAATTGTCAAAGAGTGTAGCAATATACCGCTCAGCCAGCCGCA
 GCAAGGGGAGGCGATGCTGGCCAACTTCAAACCCCGGGGCTACTCTGAGTGCATCGTGACTGTTGGTGGA
 GAAGAGAGAGTTTACGGAACCCACAGCAGCGATGCGATGCATGTGCCCTCTCTATGACCCTAACAGGC
 AGCTTTGGATCGAACTGGCCCTTTAAGCATGCCGAGAATTAAACATGGAGTTCTCTCAGCAGAAGGATT
 TTTGTTGTATTCGGGGCCAAAGATGAAATAAGCAGACTCTTAGCTCAGGAGAAAAGTATGATCCAGAT
 GCAAATACATGGACAGCATTGCCACCTATGAACGAGGCAAGACATAACTTCGGAATTGTGGAGATAGATG
 GGATGCTGTACATTTTGGGAGGAGAGGATGGTAAAAGGAGCTGATTTCCATGGAGTGTTACGATATTTA
 TTCTAAAACCTGGACAAAGCAACCTGATTTGACCATGGTCAGAAAGATCGGCTGCTATGCAGCTATGAAA
 AAGAAAATCTACGCCATGGGTGGAGGCTCTACGGAAGCTTTTTGAGTCTGTAGAGTGTTATGATCCCA
 GGACCCAGCAGTGGACTGCCATATGTCCACTAAAAGAGAGGAGTTTGGAGCGGTGGCTGTGGAGTTGC
 TATGGAGCTGTATGTGTTTGGGGAGTCCGAAGTCGTGAGGACGCCAGGAGTACGAGATGGTAACCTGC
 AAGTCCGAGTTCTACCATGATGAGTTTAAAAGTGATCTATCTTAACGACCAGAATTTATGCATCCCCG
 CCAGTTCTCTTTGTTTATGGAGCTGTACCTATAGGAGCCAGTATTTATGTTATTGGAGATCTTGATAC
 AGGTACCAATTACGACTACGTGCGTGAGTTTAAAAGAAGCACAGGAACCTGGCACCACACTAAACCACTC
 CTTCCATCCGACCTTCGCCGTACAGGATGTGCAGCCTTACGATTGCGAATTGCAAGCTTTCCGCCTGC
 AGCTTCAGCAAGGCTTATCCGTATTCGTGTTTATCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAEGSAVSDPQHAARLLRALSSFREESRFCDHLVLDGEEIPVQKNILAAASPYIRTKLNYNPPKDDGST
 YKIELEGISVMVMREILDYIFSGQIRLNEDTIQDVVQAADLLLLTDLKTLCCFLEGICIAENCIGIRDF
 ALHYCHLVHVLATEYLETHFRDVSSTEEFLELSPQKLKEVISLEKLVGNERYVFEAVIRWIAHDEIR
 KVHMKDVMSALWVSGLDSSYLREQMLNEPLVREIVKECSNIPLSQPQQGEAMLNFKPRGYSECIVTVGG
 EERVSRKPTAAMRCMPLYDPNRQLWIELAPLSMPRINHGVLSAEGFLFVFGGQDENKQTLSSGEKYDPD
 ANTWTALPPMNEARHNFIVEIDGMLYILGGEDGEKELISMEDYIYSKTWTKQPDLTMRKIGCYAAMK
 KKIYAMGGGSYGKLFESVECYDPRTQQWTAICPLKERRFGAVACGVAMELYVFGGVRSREDAQGSSEMTVC
 KSEFYHDEFKRWIYLNQNLCPASSFVYGAVPIGASIYVIGDLDTGTNYDYVREFKRSTGTWHHTKPL
 LPSDLRRTGCAALRIANCKLFRLQLQQGLFRIRVHSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:	AAV-2
ACCN:	NM_022041
ORF Size:	1791 bp
Buffer:	PBS with 0.001% Pluronic F5214
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_022041.3</u>
RefSeq Size:	4544 bp
RefSeq ORF:	1794 bp
Locus ID:	8139
UniProt ID:	<u>Q9H2C0</u>
Cytogenetics:	16q23.2
MW:	67.6 kDa