

Product datasheet for **RC201669**

Gigaxonin (GAN) (NM_022041) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gigaxonin (GAN) (NM_022041) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gigaxonin
Synonyms:	GAN1; GIG; KLHL16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGGGCAGTGCCGTGTCTGACCCTCAGCACGCCGCGCTCTGCTGCGAGCGCTCAGCTCTTTCC
 GCGAGGAGTCTCGCTTCTGCGACGCGCACTGGTCTCGACGGGAGGAGATCCCGTGCAGAAGAACAT
 CCTGGCGCGGCCAGCCCGTACATCAGGACAAAGTTAAACTATAATCCTCCAAAAGATGATGGATCAACT
 TATAAGATTGAACCTGAAGGGATATCGGTAATGGTTATGAGAGAGATCCTGGATTACATCTTCAGTGGGC
 AGATCAGGCTAAATGAAGATAACAATCCAAGATGTTGTTCCAGGCAGCTGACCTGCTGCTACTGACGGACCT
 TAAAACCTGTGCTGTGAGTTTTTGAAGGCTGCATTGCTGCTGAGAAGTGTATTGGTATCCGTGACTTT
 GCACTACATTACTGCCTCCATCACGTTTACCTTGCCACAGAATACCTGGAGACTCATTTCGAGACG
 TCAGCAGCACGGAAGAATCTTAGAGCTGAGTCTCAAAGCTTAAAGAAGTGATTTCTCTTGAGAAGTT
 AAACGTTGGCAATGAAAGATATGCTTTGAAGCAGTAATTCGATGGATAGCACATGATACAGAAATAAGA
 AAGGTCCACATGAAGGATGTTATGTCAGCTCTGTGGGTTTCAGGGTTGGACTCCAGTTATTTACGGGAAC
 AGATGCTGAATGAACCATTAGTACGAGAAATTGTCAAAGAGTGTAGCAATATACCGCTCAGCCAGCCGCA
 GCAAGGGGAGGCGATGCTGGCCAACTTCAAACCCGGGGCTACTCTGAGTGCATCGTGACTGTTGGTGGGA
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 AGGTACCAATTACGACTACGTGCGTGAGTTTAAAAGAAGCACAGGAACCTGGCACCACACTAAACCACTC
 CTTCCATCCGACCTTCGCCGTACAGGATGTGCAGCCTTACGATTGCGAATTGCAAGCTTTCCGCTGC
 AGCTTCAGCAAGGCTTATCCGTATTCGTGTTTCATCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MAEGSAVSDPQHAARLLRALSSFREESRFCD AHLVLDGEEIPVQKNILAAASPYIRTKLNYNPPKDDGST
 YKIELEGISVMVMREILDYIFSGQIRLNEDTIQDVVQAADLLLLTDLKTLCCFLEGCIAAENCIGIRDF
 ALHYCLHHVHYLATEYLETHFRDVSSTEEFLELSPQKLKEVISLEKLVGNERYVFEAVIRWIAHDTEIR
 KVHMKDVMSALWVSGLDSSYLREQMLNEPLVREIVKECSNIPLSQPQQGEAMLANFKPRGYSECIVTVGG
 EERVSRLPPTAAMRCMCPLYDPNRQLWIELAPLSMPRINHGVLSAEGFLFVFGGQDENKQTLSSGEKYDPD
 ANTWTALPPMNEARHNFIVEIDGMLYILGGEDGEKELISMICYDIYSKWTWKQPDLTMRKIGCYAAMK
 KKIYAMGGGSYGKLFESVECYDPRQTQWTAICPLKERRFGAVACGVAMELYVFGGVRSDAQGSEMVTC
 KSEFYHDEFKRWIYLNDQNLCPASSSFYVGAVPIGASIIYVIGDLDTGTNYDYVREFKRSTGWHHTKPL
 LPSDLRRTGCAALRIANCKLFRLQLQQGLFRIRVHSP

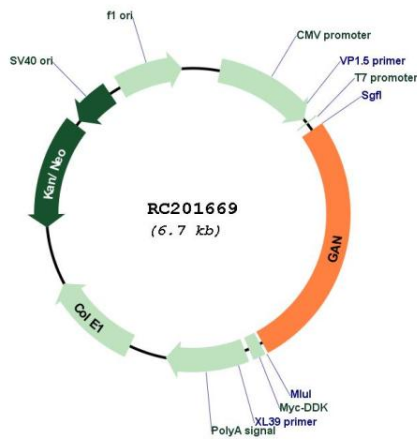
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Chromatograms:

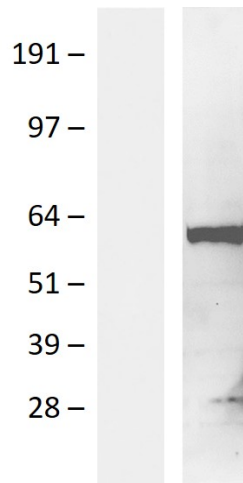
https://cdn.origene.com/chromatograms/mk8112_c11.zip

Locus ID: 8139
UniProt ID: [Q9H2C0](#)
Cytogenetics: 16q23.2
Domains: BTB, Kelch
Protein Families: Druggable Genome
MW: 67.6 kDa
Gene Summary: This gene encodes a member of the cytoskeletal BTB/kelch (Broad-Complex, Tramtrack and Bric a brac) repeat family. The encoded protein plays a role in neurofilament architecture and is involved in mediating the ubiquitination and degradation of some proteins. Defects in this gene are a cause of giant axonal neuropathy (GAN). [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC201669



Western blot validation of overexpression lysate (Cat# [LY411820]) using anti-DDK antibody (Cat# [TA592569]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201669 using transfection reagent PEI.