

Product datasheet for **RC220666**

GAS2L2 (NM_139285) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS2L2 (NM_139285) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS2L2
Synonyms:	CILD41; GAR17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220666 representing NM_139285
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCAGCCTGCGGGAGGCAGGAGGAAGCCAGGACCTAGGGCCGCCTGTGTGCAGTATCCGGCCTT
 TCAAGTCGAGTGAGCAGTACCTGGAGGCCATGAAGGAAGACCTGGCTGAGTGGCTTCGCGACCTCTATGG
 GCTGGACATCGACGCAGCCAACCTTCTGCAAGTCTGAAACGGGCTGGTGTGTGCCAACACGCCAAC
 GTTGTCACTGACGCTGCCCTGGCCTTCTGGTGAGGCACCTGCCAAGCCAGAAGATTCCCATGCCCC
 GGGTCGGGGTCTCTGCAATGGGGCCGCCAGCCAGGTACCTTCCAGGCCAGGGACAATGTCTCTAACTT
 CATCCAGTGGTGTCAAAGGAGATGGGCATCCAAGAGGTGCTGATGTTGAGACGGAGGACTTGGTGTG
 CGCAAGAACGTGAAGAACGTGGTGTGTGTTGCTGGAGCTGGGCCCGGGCGTGGCGCTTTGGTGTG
 CGGCGCCCACTCGTGCAGCTGGAGGAGAGATCGAGGAGGAGTGGCGGGAGCTGGCCTGCCCC
 GCCGACCCCTCGCCGCCAGCGCCCCAGGCGCCAGCCTGCCACTTCCGAACCTGGACCAGATGGTG
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 CGGCTGGGACACTGGGCCATTACCTGGACAAACATGACCCCTGCCGCTGCACATCCCTCTCACACAAG
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 CTCTTCAGACCGAAGGCTGAGGCCCCCCACCCATCCTCCCCAGACCCCGAGGAAACGGGAGCAGGG
 ACGGGGGCCTCCAGAGAGATGGCACCATTCTGAGGTGCCAGGAGAGTCTCTCATCCCATTGGAGGC
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 TACCTCGTCAGGAAAGAGGGAGGAGATACCCCTGAACTCCCGAGGGGAAGGATTCCACATCTTGG
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 GACCAGCAGCTGGACATCCAGTGCATGGCAGAGGCCAGAGTCTGGGACCTGGCCTACAGGAGCAGG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220666 representing NM_139285
 Red=Cloning site Green=Tags(s)

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MSQPAGGRRKPRTLGPPVCSIRPFKSSSEQYLEAMKEDLAEWLRDLYGLDIDAANFLQVLETGLVLCQHAN
VVTDAALAFLEAPAQAQKIPMPRVGVSCNGAAQPGTFQARDNVSNIQWCRKEMGIQEVLMFETEDLV
RKNVKNVVLCLLELGRRAWRFVAAPTLVQLEEEIEEEVRRRELALPPDPSPAPPRRRQPCHFRNLDQMV
QSLVSHCTCPVQFSMVKVSEGKYRVGDSNTLIFIRILRNHVMVRVGGGWDTLGHYLDKHDPICRCTL SHK
PGSFLKPPAPPVQHEVRVQDGPSTQPTMTISRSQSPPPVDWKTYTSSDRRLRPPTSSPRPRRERGAG
TGASREMAPFLRCQERSLIPSWRQPTAGDSPSPQSSSTQKGRDPQCTSSGKREERYPELPRGRIPTSW
VHEETDSWGTADGNPTPQRLRAIEATTKGISARGPSPLPRSFPAECLGLRLPLRDEAKGAFFQFREPE
VRSPTPVQGLTKIPIRLPPARPPTGRSFPGATSGSPRTELGRDPIPLRAVTVDLAGSTHGDCSVEVRQE
DQQLDIQVMAEARESWDLGLQEQEGRYTPLPLGGNKEQAIYCSLEEEILGNMKLLEVRSAACPGTRSGVI
PRSGVYIPRLAGQWPEPGPYDKAIQELAQGSPSLLKVDLEAWKAAPTGPSKPAVTPGPGSLKGLGARQ
SGPRTKASLSAKGTHMRKVPPQGGQDCASVTSASPEAPTPSPLDPNSDKAKACL SKGRRTL RPKRVPS
IYKLLRPRIRRRDHRPEKQPSRIPRLAYVFLGPARQPPKDRLLRAVLGSKGGEASRDVGASVGEIEE
EGKEEKEPAAPLESSQPPEGLQPHWLNQAPLPPEEESWV
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

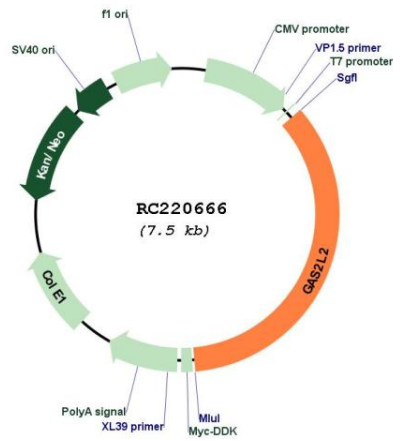
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_139285
ORF Size:	2640 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_139285.4
RefSeq Size:	2712 bp
RefSeq ORF:	2643 bp
Locus ID:	246176
UniProt ID:	Q8NHY3
Cytogenetics:	17q12
MW:	96.3 kDa
Gene Summary:	The protein encoded by this gene appears to crosslink microtubules and microfilaments and may be part of the cytoskeleton. This gene is mainly expressed in skeletal muscle. [provided by RefSeq, Jul 2011]

Product images:



Circular map for RC220666