

Product datasheet for **RC239005**

GAS2L3 (NM_001303131) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS2L3 (NM_001303131) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS2L3
Synonyms:	G2L3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239005 representing NM_001303131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGAAAAGTGCCTGTAAGAAAGATGCTGCATCAGGTTCACTTTGCTCGGGACAATACCGCAAAC
 TCCTTCACTGGTGTAGGGACATTGGGGTTGATGAACTTACCTCTTTGAATCTGAAGGTTTGTGCA
 CAAAGATCCAAGACAGGTGTATCTTTGTCTTTGAAATTGGTCAATTGTGTCAAGATACGGGGTTGAG
 CCACCACTGTTAGTAAACTTGAGAAAGAAATTGAGTTAGAAGAGACTTTGCTTAATACTTCTGGGCCTG
 AAGATTCCATCAGCATTCCAAAATCATGCTGTCGGCATGAAGAGCTACATGAAGCTGTAAACATATTGC
 TGAGGACCCTCCTGTAGTTGTTCTCATCGATTTTCTATTGAGTATTTATCTGAAGGACGGTACCGACTA
 GGGGATAAAATACTCTTTATAAGAATGCTTCATGGAAAACATGTCATGGTTCGCGTTGGTGGAGGCTGGG
 ATACTCTTCAAGGATTTTGTCTAAATATGACCCCTGTCGAATATTACAGTTTGCCACATTAGAACAAAA
 AATTTTAGCATTTCAAAAAGGAGTTTCTAATGAAAGTGTACCTGATTGCGCTGCCAGAACACCTCAGCCT
 CCTGAAATGAATCCTTTGTGACGAGTTAACATGTTTCAGAAACAAAATTCAAAACCCAGCGTGCCAGTTA
 GTATTCAAAAAGCAAAGAAAAACAGGGACGTCCACCAAGGTGCATTGGTGCCAGCATCTTCACTGAAAGG
 AGGTAATCTGGGCTCTATGTCAGTCCGTTCTAAATTGCCAAATCTCCAGCAGCATCTTCTCATCCCAAG
 CTCAAGTCTTCAAAAGGCATAACGAAGAAACCGCAGGCTCCTTCAAAACATGCATCATCTTCACTTGCTT
 CATTAAATCCAGTAGGTAAGAAACACTTCTTACCAGCTTTACCAAGAACTGCACCTTGATATCTGAGTC
 ACCGAGAAAATGTATTTATCCCCAATACCCCAAGGCCAAGGTTATTCAGCCCAAGATTGAGCAGAT
 CTGCCCCGAGTCCACACTTTTGCCAAATAAGTGTTTCAGGAAAACTCAACCTAAGTATTTGAAACATAATC
 ATATTTCTCCAGAGATAATGCAGTATCTCACTTAGCTGCACATTCAAATTCATCCTCAAAATGTCCCAA
 GCTGCCTAAAGCAAATATACCTGTAAAGACCTAAACCTTCTTTCCAGTCCCTGCAAAAATGACAAAAACC
 AGTTCCAAAAACCATAGCCACGGGTCTAGGAACACAGTCTCAACCATCCGATGGAGCCCCACAAGCAAAGC
 CAGTCCCAGCACAGAACTTAAATCGGCCTTGAATTTAAATCAGCCAGTTTCTGTGTCTCAGTTTCTCC
 TGTAAAAGCCACACAGAAATCAAAGATAAGAATATAGTTTCAGTACCAAAAAGCAGCCTCAGAATAAA
 AGTGCATTTCAGAAGACAGGACCCAGCTCCTGAAAGTCTCCTGGCCGTACCCCACTGTCCATCGTGAAGC
 TACCCAGTCTTCTACCAAAACACAACTGCACCGAAGTCAGCACAGACTGTGCTAAGAGCCAGCATTTC
 AACTAAAGGGCCTCCAGAAGTGGCAAAACCCAGCTTCAATCAGGAAACCAACCTCATCTGTTAAGGAT
 GCAGATAGTGGAGATAAAAAACCTACTGCAAGAAAAAGGAAGATGATGACCATTATTTTGTGATGACTG
 GAAGTAAGAAACCTAGAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239005 representing NM_001303131
 Red=Cloning site Green=Tags(s)

MRKVPCKDAASGSFFARDNTANFLHWCARDIGVDETYLFESEGLVLHKDPRQVYLCLLEIGRIVSRYGVE
 PPVLVKLEKEIELEETLLNTSGPEDSISIPKSCCRHEELHEAVKHIAEDPPCSCSHRFSIEYLSEGRYRL
 GDKILFIRMLHGKHMVVRVGGWDTLQGFLLKYDPCRILQFATLEQKILAFQKGVSNESVPDSPARTQP
 PEMNPLSAVNMFQKQNSKPSVPVSIPKSKEKQGRPPGALVPASSLKGGNLGSMVSRLPNSPAASSHPK
 LKSSKGITKKPQAPSNNASSLASLNPVGKNTSSPALPRTAPCISESPRKCISSNTPKAKVIPAQNSAD
 LPESTLLPNKCSGKTQPKYLKHNHISRDNAVSHLAHNSSSSKCPKLPKANIPVRPKPSFQSSAKMTKT
 SSKTIATGLGTQSPSDGAPQAKPVPAQKLKLSALNLPVSVSSVSPVKATQKSKDKNIVSATKKQPQNK
 SAFQKTGPSSSLKSPGRTPLSIVSLPQSSTKTQTAPKSAQTVAKSQHSKGPSPSGKTPASIRKPPSSVKD
 ADSGDKKPTAKKKEDDDHYFVMTGSKKPRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001303131

ORF Size: 1770 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001303131.1](#), [NP_001290060.1](#)

RefSeq Size: 6131 bp

RefSeq ORF: 1773 bp

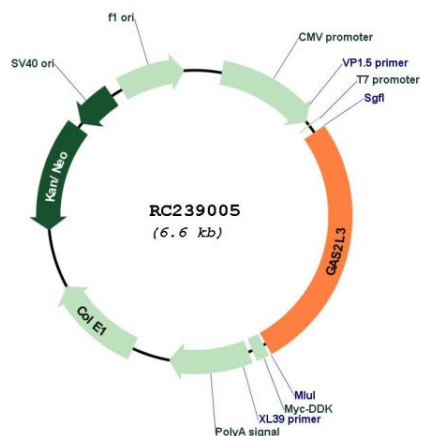
Locus ID: 283431

Cytogenetics: 12q23.1

MW: 64.1 kDa

Gene Summary: Cytoskeletal linker protein. May promote and stabilize the formation of the actin and microtubule network.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239005