

Product datasheet for **RC238311**

GAS8 (NM_001286209) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS8 (NM_001286209) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS8
Synonyms:	CILD33; DRC4; GAS11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC238311 representing NM_001286209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCAAGGAGCAGGTGGAGGAGCATGTGACCCGCATCCGGGAGGAGCTGGACCGGAGCGGGAGGAAC
 GAAACTACTTCCAGCTGGAGCGGACAAGATCCACACCTTCTGGGAGATCACACGGAGGCAGCTGGAGGA
 GAAGAAGGCTGAGCTGCCGAACAAGACCGGGAGATGGAAGAAGCCGAGGAGAGGCCACCGTGGAGATC
 AAGGTGTACAAGCAGAAAGTGAAGCACCTGCTATATGAGCACCAGAAACAACCTGACAGAGATGAAGGCTG
 AGGGCACTGTAGTCATGAAGCTGGCACAGAAAGACCCGCATACAGGAGAGTGTGCTGCGCAAGGACAT
 GCGGGCACTGAAGGTGGAGCTCAAGGAGCAGGAGCTGGCCAGTGAAGTGGTGAAGAACCTGCGGCTG
 AAACACACCGAGGAGATCACCAGGATGCGGAATGATTTTGAGAGGCAAGTTCGAGAAATTGAGGCCAAGT
 ATGATAAGAAGATGAAGATGCTGAGGGACGAACCTGACTTGGGAGAAAGACTGAGCTCCACGAAGTGA
 GGAGAGGAAGAATGGCCAGATCCACACGCTGATGCAGCGCCACGAGGAGGCCTTCCACGACATTAAGAAC
 TACTACAACGACATCACCTCAACAACCTGGCCCTCATCAACTCCCTCAAGGAGCAGATGGAGGACATGC
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 TCTCCAGAAGGCTCGGGAGGAGATGAGCGAGATGCAGAAAACAGCTCGAAACTACGAGAGGGACAAGCAG
 ATCCTGCTTTCACAAAAGCCGTTTGAAGTCAAGGAGAAAGAGCTGAAAGACCTGCAGTGGGAGCATG
 AAGTGTAGAGCAGCGATTACCAAGGTGCAGCAGGAGCGGGACGAGCTCTATCGAAAGTTCACCGCAGC
 CATCCAGGAGGTGCAGCAGAAGCAGGGTTCAAGAACCTCGTGTAGAACGCAAGCTGCAGGCTCTGAGC
 GCCGCTGTGGAGAAGAAGGAGGTGCAGTCAACGAGGTCTGGCTGCCTTAACCTGGACCCTGCAGCCC
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 GGGATCCCTCTGGACAACGTGGGCTTCAAGCCCTTGAAGACAGCTGTGATCGGACAGACACTGGCCAGG
 GCCCGCGGGACTGGTGGCACCCCGACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238311 representing NM_001286209
 Red=Cloning site Green=Tags(s)

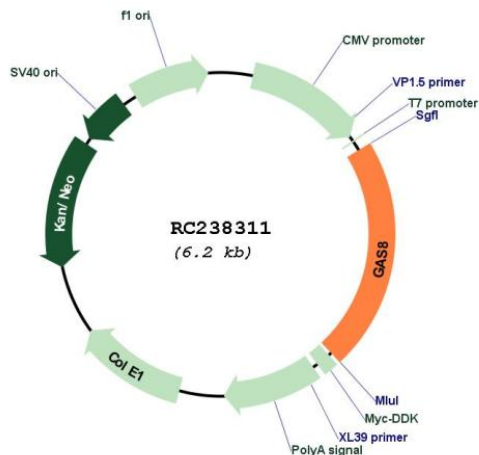
MSKEQVEEHVSRIREELDREREERNYFQLERDKIHTFWEITRRQLEEKKAELRNKDREMEEAERHQVEI
 KVKYQKVKHLLYEHQNNLTEMKAEGTVVMKLAQKEHRIQESVLRKDMRALKVELKEQELASEVVVKNLRL
 KHTEEITRMRNDFERQVREIEAKYDKMKMLRDELDLRRKTELHEVEERKNGQIHTLMQRHEEAFTDIKN
 YYNDITLNNLALINSLKEQMEDMRKKEDHLEREMAEVSGQNKRLADPLQKAREEMSEMQLANYERDKQ
 ILLCTKARLKVREKELKDLQWEHEVLEQRFTKVQQRDEL YRKF TAAIQEVQQTGFKNL VLERKLQALS
 AAVEKKEVQFNEVLAASNLDPAALTLVSRKLEDVLESKNSTIKDLQYELAQVCKAHNDLLRTYEAKLLAF
 GIPLDNVGFKPLETAVIGQTLGQGPAGLVGTPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001286209

ORF Size: 1359 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.

RefSeq: [NM_001286209.1](#), [NP_001273138.1](#)

RefSeq Size: 3200 bp

RefSeq ORF: 1362 bp

Locus ID: 2622

UniProt ID: [O95995](#)

Cytogenetics: 16q24.3

MW: 54.3 kDa

Gene Summary: This gene includes 11 exons spanning 25 kb and maps to a region of chromosome 16 that is sometimes deleted in breast and prostate cancer. The second intron contains an apparently intronless gene, C16orf3, that is transcribed in the opposite orientation. This gene is a putative tumor suppressor gene. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]