

Product datasheet for **RG238311**

GAS8 (NM_001286209) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS8 (NM_001286209) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GAS8
Synonyms:	CILD33; DRC4; GAS11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238311 representing NM_001286209. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCAAGGAGCAGGTGGAGGAGCATGTAGCCGCATCCGGGAGGAGCTGGACCGCAGCGGGAGGAA
CGAAACTACTTCCAGCTGGAGCGGGACAAGATCCACACCTTCTGGGAGATCACACGGAGGCAGCTGGAG
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GCAAAGCTGCTGGCCTTCGGGATCCCTCTGACAACTGGGCTTCAAGCCCTTGGAAACAGCTGTGATC
GGACAGACTGGCCAGGGCCCCGCGGACTGGTGGCACCCCGACG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238311
 Blue=ORF Red=Cloning site Green=Tag(s)

MSKEQVEEHVSRIREELDREREERNYFQLERDKIHTFWEITRRQLEEKKAELRNKDREEMEEAERHQVE
 IKVYKQVKVHLL YEHQNNL TEMKAEGTVVMKLAQKEHRIQESVLRKDMRALKVELKEQELASEVVKNL
 RLKHTEEITRMRNDFERQVREIEAKYDKMKMLRDELDRRKTTELHEVEERKNGQIHTLMQRHEEAFD
 IKNYNDITLNNLALINSLKEQMEDMRKKEDHLEREMAEVSGQNKRLADPLQKAREEMSEMQQLANYE
 RDKQILLCTKARLKVREKELKDLQWEHEVLEQRF TKVQQRDEL YRKFTA AIQEVQKTFGKNLVLERK
 LQALSAVEKKEVQFNEVLAASNLDPAALTLVSRKLEDVLESKNSTIKDLQYELAQVCKAHDLLRTYE
 AKLLAFGIPLDNVGFKPLETAVIGQTLGQGPAGLVGTPT
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

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

RefSeq Size: 3200 bp

RefSeq ORF: 1362 bp

Locus ID: 2622

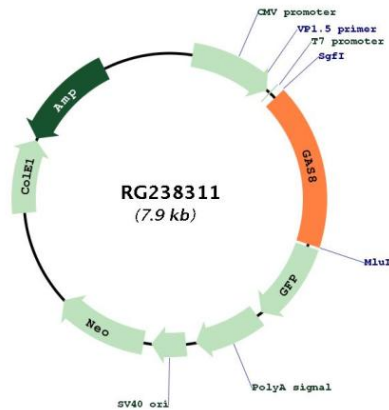
UniProt ID: [O95995](#)

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]

Product images:



Circular map for RG238311