

## Product datasheet for **RC237203**

### **GAS8 (NM\_001286208) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GAS8 (NM_001286208) 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
ORF Nucleotide Sequence:	>RC237203 representing NM_001286208 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGATGCTGAGGGACGAACTCGACTTGGGAGAAAGACTGAGCTCCACGAAGTGGAGGAGGAAGA  
ATGGCCAGATCCACACGCTGATGCAGCGCCACGAGGAGGCCTTCACCGACATTAAGAACTACTACAACGA  
CATCACCTCAACAACCTGGCCCTCATCACTCCCTCAAGGAGCAGATGGAGGACATGCGGAAGAAGGAG  
GACCACCTGGAGAGGGAGATGGCAGAGGTGTCTGGGCAGAAACAAGCGCCTGGCAGACCCTCTCCAGAAGG  
CTCGGGAGGAGATGAGCGAGATGCAGAAACAGCTCGAAACTACGAGAGGGACAAGCAGATCCTGCTTTG  
CACAAAAGCCCGTTTAAAGTCAGGGAGAAAGAGCTGAAAGACCTGCAGTGGGAGCATGAAGTGTAGAG  
CAGCGATTACCAAGGTGCAGCAGGAGCGGGACGAGCTCTATCGGAAGTTCACCGCAGCCATCCAGGAGG  
TGCAGCAGAAGACAGGGTTCAAGAACCTCGTGCTAGAACGCAAGCTGCAGGCTCTGAGCGCCGCTGTGGA  
GAAGAAGGAGGTGCAGTTCACGAGGTCTGGCTGCCTCTAACCTGGACCCTGCAGCCCTGACGCTGGTG  
TCCCGCAAGCTGGAGGATGTTCTTGAGTCGAAGAACAGCACCATCAAGGACCTGCAGTATGAGCTGGCCC  
AGGTCTGTAAGGCCATAACGACCTGCTGCGCACGTATGAGGCAAAGCTGCTGGCCTTCGGGATCCCTCT  
GGACAACGTGGGCTTCAAGCCCTTGAAACAGCTGTGATCGGACAGACACTGGGCCAGGGCCCGCGGGA  
CTGGTGGGCACCCCGACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237203 representing NM\_001286208  
 Red=Cloning site Green=Tags(s)

MKMLRDELDLRRKTELHEVEERKNGQIHTLMQRHEEAFDIDKNYNDITLNNLALINSLKEQMEDMRKKE  
 DHLEREMAEVSGQNKRLADPLQKAREEMSEMQQLANYERDKQILLCTKARLKVREKELKDLQWEHEVLE  
 QRF TKVQQERDEL YRKF TAAIQEVQKGTGFKNLVLERKLQALSAAVEKKEVQFNEVLAASNLDPAAALTLV  
 SRKLEDVLESKNSTIKDLQYELAQVCKAHDLLRITYEAKLLAFGIPLDNVGFKPLETAVIGQTLGQGPAG  
 LVGTPT

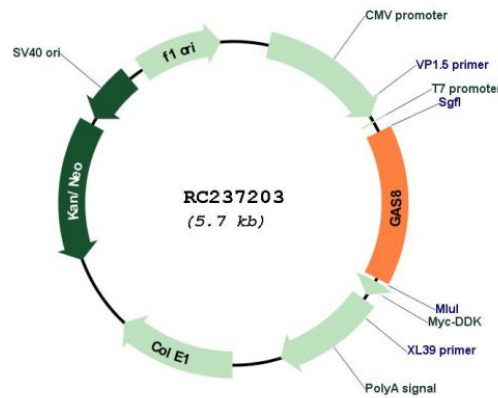
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001286208

**ORF Size:** 858 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001286208.1</a> , <a href="#">NP_001273137.1</a>
<b>RefSeq Size:</b>	3253 bp
<b>RefSeq ORF:</b>	861 bp
<b>Locus ID:</b>	2622
<b>UniProt ID:</b>	<a href="#">O95995</a>
<b>Cytogenetics:</b>	16q24.3
<b>MW:</b>	33.6 kDa
<b>Gene Summary:</b>	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]