

## Product datasheet for **SC335097**

### **GAS8 (NM\_001286208) Human Untagged Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | GAS8 (NM_001286208) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | GAS8   |
| Synonyms:                 | CILD33; DRC4; GAS11  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_001286208, the custom clone sequence may differ by one or more nucleotides |

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ATGAAGATGCTGAGGGACGAACTCGACTTGCGGAGAAAGACTGAGCTCCACGAAGTGGAGGAGAGGAAGA
ATGGCCAGATCCACACGCTGATGCGACGCCACGAGGAGGCCTTCACCGACATTAAGAACTACTACAACGA
CATCACCCCTCAACAACCTGGCCCTCATCAACTCCCTCAAGGAGCAGATGGAGGACATGCGGAAGAAGGAG
GACCACCTGGAGAGGGAGATGCCAGAGGTGTCTGGGCAGAACAAGCGCCTGGCAGACCCTCTCCAGAAGG
CTCGGGAGGAGATGAGCGAGATGCAGAAACAGCTCGAAACTACGAGAGGGACAAGCAGATCCTGCTTTG
CACAAAAGCCCGTTTAAAGTCAGGGAGAAAGAGCTGAAAGACCTGCAGTGGGAGCATGAAGTGTTAGAG
CAGCGATTACCAAGGTGCAGCAGGAGCGGGACGAGCTCTATCGGAAGTTCACCGCAGCCATCCAGGAGG
TGCAGCAGAAGACAGGGTTCAAGAACCTCGTGCTAGAACGCAAGCTGCAGGCTCTGAGCGCCGCTGTGGA
GAAGAAGGAGGTGCAGTTC AACGAGGTCCTGGCTGCCTCTAACCTGGACCCTGCAGCCCTGACGCTGGTG
TCCCGCAAGCTGGAGGATGTTCTTGAGTCGAAGAACAGCACCATCAAGGACCTGCAGTATGAGCTGGCCC
AGGTCTGTAAGGCCATAACGACCTGCTGCGCACGTATGAGGCAAAGCTGCTGGCCTTCGGGATCCCTCT
GGACAACGTGGGCTTCAAGCCCTTGAAACAGCTGTGATCGGACAGACACTGGGCCAGGGCCCGCGGGA
CTGGTGGCACCCCGACGTAG
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|--------------------|--|
| Restriction Sites: | Sgfl-MluI  |
| ACCN:              | NM_001286208   |
| OTI Disclaimer:    | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |



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|                               |  |
|-------------------------------|--|
| <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>                | <u>NM_001286208.1, NP_001273137.1</u>  |
| <b>RefSeq Size:</b>           | 3253 bp  |
| <b>RefSeq ORF:</b>            | 861 bp   |
| <b>Locus ID:</b>              | 2622   |
| <b>UniProt ID:</b>            | <u>O95995</u>  |
| <b>Cytogenetics:</b>          | 16q24.3  |
| <b>Gene Summary:</b>          | <p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate splice site at the 5' end of an exon and lacks an alternate internal exon compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.</p> |