

Product datasheet for RC237954

GAS8 (NM_001286205) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS8 (NM_001286205) 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:	>RC237954 representing NM_001286205 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAAGCCGAGGAGAGGCCACCAGGTGGAGATCAAGGTGTACAAGCAGAAAGTGAAGCACCTGCTAT
ATGAGCACCAGAACAACCTGACAGAGATGAAGGCTGAGGGCACTGTAGTCATGAAGCTGGCAGAGAAAGA
GCACCGCATAACAGGAGAGTGTGCTGCGCAAGGACATGCGGGCACTGAAGGTGGAGCTCAAGGAGCAGGAG
CTGGCCAGTGAGGTGGTGGTGAAGAACCTGCGGCTGAAACACACCGAGGAGATCACCGAGTGGCGAATG
ATTTTGAGAGGCAAGTTCGAGAAATTGAGGCCAAGTATGATAAGAAGATGAAGATGCTGAGGGACGAACT
CGACTTGGCGAGAAAGACTGAGCTCCACGAAGTGGAGGAGAGGAAGAATGGCCAGATCCACACGCTGATG
CAGCGCCACGAGGAGGCCCTTACCGACATTAAGAACTACTACAACGACATCACCTCAACAACCTGGCCC
TCATCAACTCCCTCAAGGAGCAGATGGAGGACATGCGGAAGAAGGAGGACCACCTGGAGAGGGAGATGGC
AGAGGTGTCTGGGCAGAACAAAGCGCCTGGCAGACCCTCTCCAGAAGGCTCGGGAGGAGATGAGCGAGATG
CAGAAACAGCTCGAAACTACGAGAGGGACAAGCAGATCCTGCTTGCACAAAAGCCCGTTTGAAGTCA
GGGAGAAAGAGCTGAAAGACCTGCAGTGGGAGCATGAAGTGTAGAGCAGCGATTACCAAGGTGCAGCA
GGAGCGGGACGAGCTCTATCGGAAAGTTCACCGCAGCCATCCAGGAGGTGCAGCAGAAGACAGGGTTCAAG
AACCTCGTGCTAGAACGCAAGCTGCAGGCTCTGAGCGCCGCTGTGGAGAAGAAGGAGGTGCAGTTCAACG
AGGTCTGGTGCCTCTAACCTGGACCCTGCAGCCCTGACGCTGGTGTCCCGCAAGCTGGAGGATGTTCT
TGAGTCGAAGAACAGCACCATCAAGGACCTGCAGTATGAGCTGGCCAGGTCTGTAAAGGCCATAACGAC
CTGCTGCGCACGTATGAGGCAAAGCTGCTGGCCTTCGGGATCCCTCTGGACAACGTGGGCTTCAAGCCCT
TGGAAACAGCTGTGATCGGACAGACACTGGCCAGGGCCCGGGACTGGTGGGACCCCGACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237954 representing NM_001286205
 Red=Cloning site Green=Tags(s)

MEEAEERHQVEIKVYKQKVKHLLYEHQNNLTEMKAEGTVVMKLAQKEHRIQESVLRKDMRALKVELKEQELASEVVKNLRLKHTEEITRMRNDFERQVREIEAKYDKMKMLRDELDLRRKTELHEVEERKNGQIHTLMQRHEEAFTDIKNYNDITLNNLALINSLKEQMEDMRKKEDHLEREMAEVSGQNKRLADPLQKAREEMSEM QKQLANYERDKQILLCTKARLKVREKELKDLQWEHEVLEQRFTKVQQRDEL YRKFTAIIQEVQKGTGFKNLVLERLQALSAAVEKKEVQFNEVLAASNDPAALTLVSRKLEDVLESKNSTIKDLQYELAQVCKAHNDLLRTEAKLLAFGIPLDNVGFKPLETAVIGQTLGQGPAGLVGTPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

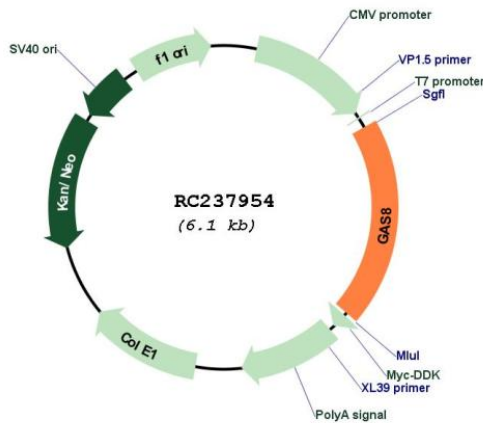
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286205

ORF Size:	1185 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:	<ol style="list-style-type: none">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_001286205.1 , NP_001273134.1
RefSeq Size:	3308 bp
RefSeq ORF:	1188 bp
Locus ID:	2622
UniProt ID:	O95995
Cytogenetics:	16q24.3
MW:	46.8 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]