

Product datasheet for SC324928

GAS2 (NM_001143830) Human Untagged Clone

Product data:

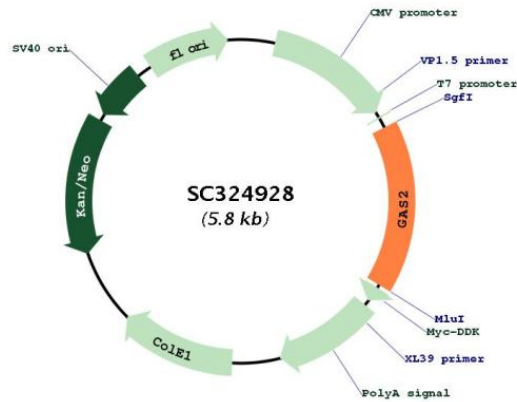
Product Type:	Expression Plasmids
Product Name:	GAS2 (NM_001143830) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAS2
Synonyms:	GAS-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324928 representing NM_001143830. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCACTGCTCTGAGCCCAAAGGTACGCAGTGGACCTGGCCTCTCTGATATGCATCAGTATAGCCAA
TGGCTAGCCAGCAGACATGAAGCTAATTTGCTACCAATGAAAGAAGATCTGGCCTTGTGGTTAACCAAT
CTATTAGGAAGGAGATTACAGCAGAACTTTTATGGAGAAGTTGGACAATGGTGCCTTGTCTGTCAA
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TCACCTTCTCCTCATCAAAGTCTTCTGGAAAAAGAGTACAGGAACTTACTGGATGATGCAGTGAAA
CGAATTTCTGAAGATCCTCCTTGCAAAATGCCCAACAAGTTCTGTGTGGAGCGGCTCCTCCAAGGAAGA
TACCGAGTGGGAGAAAAGATCCTCTTATTAGGATGCTGCACAACAACATGTATGGTCCGTGTGGGA
GGAGGCTGGGAACTTTGCAGGATTTTGTGAAACACGACCCCTGCCGAATGCTGCAGATCTCCCGT
GTGGATGGCAAAACATCCCCTATCCAAAGCAAATCTCCAATCTAAAGGACATGAATCCAGATAACTAC
TTGGTGGTCTCTGCCAGTTATAAGGCTAAGAAGGAAATTAAGTGA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001143830

Insert Size: 942 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001143830.1](#)

RefSeq Size: 2240 bp

RefSeq ORF: 942 bp

Locus ID:	2620
UniProt ID:	O43903
Cytogenetics:	11p14.3
Protein Families:	Druggable Genome
MW:	34.9 kDa
Gene Summary:	<p>The protein encoded by this gene is a caspase-3 substrate that plays a role in regulating microfilament and cell shape changes during apoptosis. It can also modulate cell susceptibility to p53-dependent apoptosis by inhibiting calpain activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2017]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same isoform (a).</p>