

## Product datasheet for **RR204802**

### Gas2l1 (NM\_001108365) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gas2l1 (NM_001108365) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gas2l1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204802 representing NM_001108365 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGACCCAGTGGCGGGCATCGCAGGCTCCGCCCAAGAGTGTGCGACCCTCCGATCCAGTGAGG  
CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTATAGTCTACCGG  
CAGTGGTGATGGCTTCTCACGGGGCTGGCCACGGGTACAACCCGTGCCAGCATGCCAACGCTGTCACC  
AAGGCTGCCCGGGCTCTGGCTGCTGCCCGTCCAACCCGAGGTGTGGCCTTCCAGGCACACAGTGTGGCGC  
CTGGCTCCTTCATGGCCGAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGTGAGCTGGGCGTGCC  
TGAAGTGCTCATGTTTGAGACAGAGGACCTGGTGTGCGCAAGAACGAGAAGAGTGTGGTGTGTCCTG  
TTGGAGGTTGCCCGACGTGGGACGCCTTGGGCTGCTCGCCCCGAGGCTGGTACAGTTTGAGCAGGAGA  
TTGAGCGGGAGCTTCGGGCTACCCCTCAGGCTCCAGCGTCCCTGCTGCTGAAGAGGATGTCAGTAAAT  
CGCTGCTGCACCAGGGGACCTGCCCGCACACCCCGCATGACGCCAATGACATTCGAAACCTGGACGAG  
CTGGTAAGGGAGATCCTGGCAAGTGCACCTGCCAGACCAGTTTCCCATGATCAAGGTCTCCGAGGGGA  
AGTACCGAGTGGGAGACTCCAGCTTGTCTATCTTTGTGAGGGTGTGAGGAACCAGTGTGGTGGCAGT  
GGGCGGGCGGCTGGGACACACTGGAGCACTACCTAGACAAGCATGACCCTTCCCGCTGCACCTCTCCACC  
CACCGGCTGCCAGCAGAGAACCAGGACTTTCTCCGAGAGGGGATCACCCACTCCTAGTCCCCGCC  
CCGGTAGCCAGTCCCTGGAAGTGAGCGCCGGAGCTCCCGGCCGAAGTAACTCCCATCAGCCTGCGAAG  
CACAAAGGAGGGGCTGAGACCCACTCAGGTCTCCAGGCTTCTGGAACCATTTACAGGTTTGTGAGCTG  
CTTTTGGCTTCAAGAAGCAGAAGGGAGTGGATAAACTCAGCCCCCTCCCTAACCTCACTGCAGGGAGAA  
AGGCAGCACCTGCCTGGCTGCTTCCACTAGGGCTGTGTGTGCTTTAGGCCAGCTCCAGAGTTCTC  
CGAGGTTTCTTCTAGCTGGGCTTTCTTGGGAGTTGCAAGAAGCATTGTGGTGGGACCTCTGGGC  
CCAAGTGAGTGTCTGTGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204802 representing NM\_001108365  
 Red=Cloning site Green=Tags(s)

MADPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSLGLPGSGDGLTGLATGTTLCQHANA  
 VTKAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC  
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQASSVPAEEEDVTEIAAAPGAPARTPRMTPNDIRNLDE  
 LVREILGKCTCPDQFPMIKVSEGKYRVGDSLLIFVRLRNHVMVRVGGGWDTL EHYLDKHDPCRCTSS  
 T HRLPQQRTGTFSPQRGSPTPSPRPGSPVPGSERSSRPEVTPISLRSTKEGPETPLRSPGFWNHLQVCEL  
 LLASRSRREWINSAPSLNLTAGRKAGTCLAALPLGLCVLLGPAPEFSEVSFSPSWAFLGVARSI VGGAPLG  
 PSECLCCF

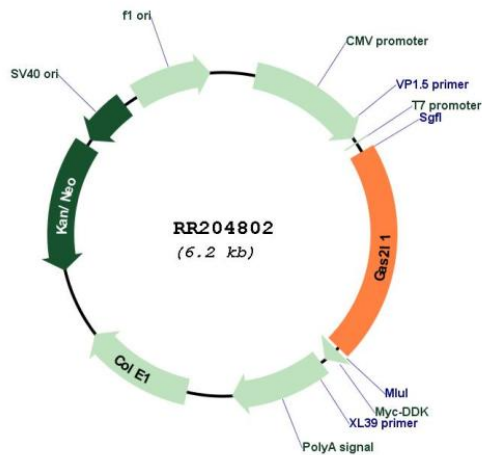
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001108365
<b>ORF Size:</b>	1284 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_001108365.1</a> , <a href="#">NP_001101835.1</a>
<b>RefSeq Size:</b>	2725 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	360973
<b>Cytogenetics:</b>	14q21
<b>MW:</b>	46 kDa