

# Product datasheet for RC224804L1

# GAS1 (NM\_002048) Human Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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| Product Type:                | Expression Plasmids  |
|------------------------------|--|
| Product Name:                | GAS1 (NM_002048) Human Tagged Lenti ORF Clone  |
| Tag:                         | Myc-DDK  |
| Symbol:                      | GAS1   |
| Mammalian Cell<br>Selection: | None   |
| Vector:                      | pLenti-C-Myc-DDK (PS100064)  |
| E. coli Selection:           | Chloramphenicol (34 ug/mL)   |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(RC224804).                             |
| <b>Restriction Sites:</b>    | Sgfl-Mlul  |
| Cloning Scheme:              |  |
|                              | Cloning sites used for ORF Shuttling:<br>Sgf I ORF Mlu I<br>GCG ATC GCC ATG // NNŇ ACG CGT |
|                              | <u>Corak</u><br>   |
|                              |  |

 Miu I
 Not I
 Xho I
 Myc.Tag

 ACG CGT ACG CGG CCG CTC GAG CAG AAA CTC ATC TCA GAA GAG
 T
 R
 P
 L
 Q
 K
 L
 I
 S
 E

 DDK.Tag
 DDK.Tag
 DDK.Tag
 DDK.Tag
 DDK.Tag
 DDK.Tag

GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V stop

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_002048 1035 bp

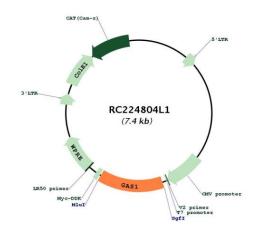


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| GAS1 (                 | NM_002048) Human Tagged Lenti ORF Clone – RC224804L1   |
|------------------------|--|
| OTI Disclaimer:        | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, 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. <u>More info</u>                                  |
| 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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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> |
| RefSeq:                | <u>NM 002048.1</u>   |
| RefSeq Size:           | 2828 bp  |
| RefSeq ORF:            | 1038 bp  |
| Locus ID:              | 2619   |
| UniProt ID:            | <u>P54826</u>  |
| Cytogenetics:          | 9q21.33  |
| Protein Pathways:      | Hedgehog signaling pathway   |
| MW:                    | 35.5 kDa   |
| Gene Summary:          | Growth arrest-specific 1 plays a role in growth suppression. GAS1 blocks entry to S phase and prevents cycling of normal and transformed cells. Gas1 is a putative tumor suppressor gene.<br>[provided by RefSeq, Jul 2008]  |

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# **Product images:**



Circular map for RC224804L1

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