

Product datasheet for **RG219967**

SALL3 (NM_171999) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SALL3 (NM_171999) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SALL3
Synonyms:	ZNF796
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219967 representing NM_171999 Red=Cloning site Blue=ORF Green=Tags(s)

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GTGCCACCTGCTCGGGCATCCCCTACGGCATGTCGCTGCCCCCGAGAAGCCCGTGACCACCTGGCTGG
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ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG219967 representing NM_171999
 Red=Cloning site Green=Tags(s)

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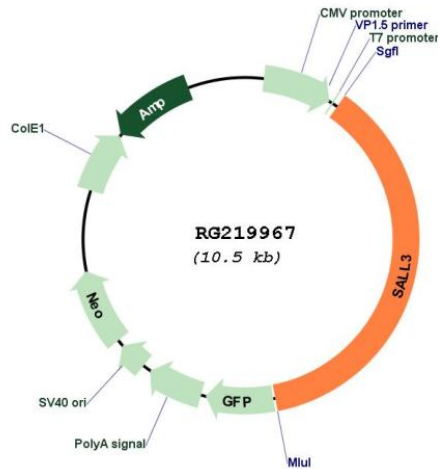
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_171999

ORF Size: 3900 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:

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_171999.1](#), [NP_741996.1](#)

RefSeq Size: 4772 bp

RefSeq ORF: 3903 bp

Locus ID: 27164

UniProt ID: [Q9BXA9](#)

Cytogenetics: 18q23

Gene Summary:

This gene encodes a sal-like C2H2-type zinc-finger protein, and belongs to a family of evolutionarily conserved genes found in species as diverse as *Drosophila*, *C. elegans*, and vertebrates. Mutations in some of these genes are associated with congenital disorders in human, suggesting their importance in embryonic development. This protein binds to DNA methyltransferase 3 alpha (DNMT3A), and reduces DNMT3A-mediated CpG island methylation. It is suggested that silencing of this gene, resulting in acceleration of DNA methylation, may have a role in oncogenesis. [provided by RefSeq, Oct 2011]