

Product datasheet for **SC306701**

SALL3 (NM_171999) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SALL3 (NM_171999) Human Untagged Clone
Tag: Tag Free
Symbol: SALL3
Synonyms: ZNF796
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_171999, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCGGCGCAAGCAGGCCAAGCCCCAGCACCTCAAGTCGGACGAGGAGCTGCTGCCG
CCTGACGGGGCTCCCGAGCACGCCGCCCGGGGAAGGTGCGGAGGACGCAGACAGCGGG
CCCGAGAGCCGCAGCGGGGGCGAGGAGACCAGCGTGTGCGAGAAAATGCTGCGCCGAGTTC
TTCAAGTGGGCGGACTTCTGGAGCACCAGCGGAGCTGCACCAAGCTCCC GCCCGTGTG
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GACACGCGCGCGCCCCGCCCGCCCGCTGCGGCCCTGCACCCCAACGCCCGCCTACGGC
GCGCCACGACCAACGTGACCCTGGAGGCGCTGCTGAGCACCAAGGTGGCGGTGGCGCAG
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GCGGCCACGGCAACGCTCTGGACCCGCTGTCCGCGCTCATGAAGCACCGCAAGGCAAG
CCGCCAATGTGTCGGTGTTCGAGCCAAAGCCAGCGCCGAGGACCCGTTCTTCAAGCAC
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TCGCACACAGGCGAGCGCCCTTCAAGTGCAACATCTGCGGGAACCGCTTCTCCACAAA
GGCAACCTGAAGGTGCACTTCCAGAGGCAAGGAGAAGTACCCCAATCCAGATGAAC
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ACCGTGCCACGTCCGTGGGGTGAACCTGCCGCCACTGTCCTGGCGCGCACGGCTAC
GCCGACTCTCCAGCGCCACCCAGCCAGCCGCTCCCGCAGAGGCCCTCGCCCGCTCC
AGCGAGTGCCTCCTTGTCCCCAGGCTCAACCACGTGGAGTCCGGCGTGTGCGCCACC

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GCCGAGTCCCCACAGTCGCTCCTCGGCGGGCCGCCCTACTAAAGCCGAGCCCCTCAGC
 CTGCCCTGCACCAACGCCAGGGCCGGGACGCTCCCGTGGGCGCGCAGGCTAGCGCTGCA
 CCCACATCGGTGGACGGCGCACCCACGAGCCTCGGCAGCCCCGGGCTGCCCGCCGTCTCC
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 ATCAAAATGGAAGTGAACGGTACCGCAAGGCCATGGCGCTGGGCGAGGGTCCCCCGCTG
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 ACCTTCTCTCGGCCAGCGCCCTGCAGATCCATGAGCGCACGACACCGGCGAGAAGCCG
 TTCGGTGCACCATCTGCGGCCGGGCTTACC ACTAAGGGCAACCTCAAGGTGCACATG
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 CCCATGGTCTCTTAGGGGGTGTGCCCTGAAGTTCTCTGAAATGTTCCAGAAGGACCTG
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 GACAAAGCACGCACTGGCAGTAGCCACCCATCGTCAGCTTGGACAAAGCGAGCTCAGAA
 ACAGCAGCCAGCCGCCATTACGCGGTTTATCGAGGATAACAAGGAGATTGGTATCAAC
 TAG

- Restriction Sites:** Please inquire
- ACCN:** NM_171999
- 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_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]