

Product datasheet for **SC304767**

SALL4 (NM_020436) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SALL4 (NM_020436) Human Untagged Clone
Tag: Tag Free
Symbol: SALL4
Synonyms: DRRS; HSAL4; IVIC; ZNF797
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for NM_020436 edited

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CACCTGGCGGAGAGGGCAAATAACTGCGGCTCTCCCGGCCCGGATGCTCGCACCATGT
CGAGGCGCAAGCAGGCGAAACCCAGCACATCAACTCGGAGGAGGACCAGGGCGAGCAGC
AGCCGCAGCAGCAGACCCCGGAGTTTGCAGATGCGGCCCCAGCGCGCCCGGGGGGG
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TCATGAATGACAGCGAGGGGCTGTGCCTTCAGAAGACTTCTCCGGAGCTGTACTGAGCC
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CCTTGCAGGCACTACGGGGCACCAGGTGGCGGTGAATCAGCGGAGCGCGGATGCACTCC
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TTGCCGAGTCCAGGACAAAGTGGCGGCCGCAATGGCATCCCTATGCACTCTCTGTAC
CTGACCCCATAGATGAACCGAGTCTTCTTTAGACAGCAAACCTGTCTTGTAAACCCT
CTGTAGGGCTACCTCAGAATCTTCTTCCGGGACTAATCCCAAGGACCTCACGGGTGGCT
CCTTGCCCGGTGACCTGCAGCCTGGGCCTTCTCCAGAAAGTGAGGGTGGACCCACTCC
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CTGGGGTGGGACCAAACTATAATCCCCAAGGGCTGGTGGCTTCCAAGGGAGTGGGACCC
CTGAGCCAGGGTCAGAGACCCTGAAATTGCAGCAGTTGGTGGAGAACATTGACAAGGCCA
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CCTGTGACTTTACGGGTTCTGAGCCAATGACCGTGGGTGAGAACGGCAGCACCGGCGCTA
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CGAACAATAACTAGCCCGCCGTGGAAGGAAGTGGCCATCGAGAACACCATGGCTCTGT
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CTCACTTCTGGAAGAAAACAAGATTGCGGTCAGCTAAGGGAGAAGTTCGCTGGAAGGAG
CAATGCAGACACAGTAAATCTCTAGAATCTGCTTTGTTTTGTAAGAACTCATCTCTCC
TGTTTTCTTTTCTTACTGATATGCAAATGATGTTTACTACGTTGGTTGTGACCACAACC
TCAGGCAAGTGTACAATCACGATTGTTGCTATGCTGCTTTG
    
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Restriction Sites:

Please inquire

ACCN:

NM_020436

Insert Size:

3400 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

The ORF of this clone has been fully sequenced and found to be a perfect match to NM_020436.2.

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 style="list-style-type: none">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:	<u>NM_020436.2</u> , <u>NP_065169.1</u>
RefSeq Size:	3452 bp
RefSeq ORF:	3162 bp
Locus ID:	57167
UniProt ID:	<u>Q9UJQ4</u>
Cytogenetics:	20q13.2
Protein Families:	ES Cell Differentiation/IPS, Stem cell - Pluripotency
Gene Summary:	<p>This gene encodes a zinc finger transcription factor thought to play a role in the development of abducens motor neurons. Defects in this gene are a cause of Duane-radial ray syndrome (DRRS). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>