

Product datasheet for **RC239766**

SALL2 (NM_001291446) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SALL2 (NM_001291446) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SALL2
Synonyms:	COLB; HSAL2; p150(Sal2); Sal-2; ZNF795
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239766 representing NM_001291446
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCTCGGCGAAAGCAGCGGAAACCCCAACAGTTAATCTCGACTGCGAAGTCCAGCGCGTCTGAGA
 ACGGTGATGCTAGCGAGGAGGATCACCCCAAGTCTGTGCCAAGTCTGCGCACAATCACTGACCCAAC
 TGAATTCCTCGCCACCAGAACGCATGTTCTACTGACCCTCCTGTAATGGTGATAATTGGGGCCAGGAG
 AACCCCAACAACCTCTCGGCCTCCTCTGAACCCCGGCCTGAGGGTCAACAATAATCCTCAGGTCATGGACA
 CAGAGCATAGCAACCCCCAGATTCTGGGTCTCCGTGCCACGGATCCCACCTGGGGCCAGAGAGGAG
 AGGAGAGGAGTCTTCAGGGCATTCTGGTCTGCTGCCACAGGGGCAGAAACGCCAAGCAGGCTTCTTC
 CACCTTTACCACCCTGGGTACAGCATCCTTTCTGCTGGAGGGTTGGGCGAAGCCACAACCCA
 CCCCTGCCCTTCCCAGCTTCCAGGCAGCACAGATCAGCTGATTGCCTCGCCTCATCTGGCATTCCC
 AAGCACACGGGACTACTGGCAGCACAGTGTCTGGGGCAGCCGAGGCTTGGGCCACTGCCTCCCCA
 GGGCTCCTGAAGCCAAAGAATGGAAGTGGTGAGCTGAGCTACGGAGAAGTGATGGTCCCTTGGAGAAGC
 CTGGTGAAGGCACAAATGCCGCTTCTGTGCCAAGTATTTGGCAGTGACAGTGCCTGCAGATCCACCT
 TCGTTCCACACGGGTGAGAGGCCCTATAAGTGAATGTCTGTGAAACCGTTTTACCACCGTGGAAC
 CTCAAAGTGCAATTCACCGGCATCGTGAGAAGTACCCACATGTGCAGATGAACCCACACCCAGTACCAG
 AGCACCTAGACTATGTCATTACCAGCAGTGGCTTGCTTATGGTATGTCCGTGCCACCAGAGAAGGCCGA
 GGAGGAGGCAGCCACTCCAGGTGGAGGGTTGAGCGCAAGCCTCTGGTGGCTCCACAACAGCACTCAGT
 GCCACAGAGAGCCTGACTCTGCTCTCCACCAGTGCAGGCACAGCCACGGCTCCAGGACTCCCTGCTTTCA
 TAAAGTTTGTGCTCATGAAAGCAGTGGAAACCAAGAATAAAGCTGATGAAAACACCCCCAGGGGATGA
 GGGCTCAGCCATCAGTGGAGTGGCAGAAAGTAGCACGGCAACTCGCATGCAACTAAGTAAGTTGGTGACT
 TCACTACCAAGCTGGGCACTGCTTACCAACCACTTCAAGTCCACTGGCAGCTTCCCTTCCCTATGTGC
 TAGAGCCCTTGGGGCCCTCACCTCTGAGACATCAAAGCTGCAGCAACTGGTAGAAAAGATTGACCGGCA
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 TAATCTGCGTGACATTCGTGGGCCACAAGGCCAGTCCAGCTGCCGGGCACAGAATTCCTGCCCATC
 TGCCAGAAGAAGTTCACCAATGTGTCACTCTGCAGCAGCATGTCCGGATGCACCTGGGGGCCAGATCC
 CCAACGGTGGTACTGCACTCCCTGAAGTGGAGGAGCTGCTCAGGAGAATGGCTCCGAGCAATCTACAGT
 CTCGGGGGCACGGAGTTTCCCCAGCAGCAGTCCAGCAGCCATCACCGAAGAGGAGTTGTCTGAGGAG
 GAGGAAGAGGAGGATGAGGAAGAAGAGGAAGATGTGACTGATGAAGATTCCTGGCAGGGAGAGGCTCAG
 AGAGTGGAGGTGAGAAGGCAATATCAGTGAGAGGTGATTCAGAAGAGGCATCTGGGGCAGAGGAGGAGT
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 TTTTAGGAGGCAAGGAAGAGGGGGCAAACCGGAGAGAAGCTCAAGTCCGGCATCAGCACTACCCCA
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 GGCTACCTCAAGAAGCATATGCTCCTGGCACACCACCAGAACCAGTATGTGGCATTCTGTCAAATGGC
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 CCCCTCTATTTAGCCTCTGCACCAAGGCAGTGCCTGAGAAGCCATCATAGACAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239766 representing NM_001291446
 Red=Cloning site Green=Tags(s)

MSRRKQRKPQQLISDCEGPSASENGDASEEDHPQVCAKCCAQFTDPTFLAHQACSTDPVPMVIIGGQE
 NPNNSSASSEPRPEGHNNPQVMDTEHSNPPDSGSSVPTDPTWGPERRGEESSGHFLVAATGAETPKQAFF
 HLYHPLGSQHPFSAGGVGRSHKPTPAPSPALPGSTDQLIASPHLAFPSTTGLLAAQCLGAARGLEATASP
 GLLKPKNGSGELSYGEVMGPLEKPGGRHKCRFCAKVFSGDSALQIHLRSHTGERPYKCNVCGNRFTRGN
 LKVHFRHREKYPHVQMNPHVPEHLDYVITSSGLPYGMSVPPEKAEAAAATPGGGVERKPLVASTTALS
 ATESLTLLSTSAGTATAPGLPAFNKFVLMKAVEPKNKADENTPPGSEGSATSGVAESSTATRMLSKLVT
 SLPSWALLTNHFKSTGSFPPYVLEPLGASSETSKLQQLVEKIDRQGAVALTSAASGAPTTAPAPSSS
 ASSGPNQCVICLRVLSRPRALRLHYGQHGGERPFCCKVCGRAFSTRGNLRAHFVGHKASPAARAQNSCPI
 CQKKFTNAVTLQQHVRMHLGGQIPNGGTALPEGGAAQENGSEQSTVSGARSFPQQSQQPSPEELSEE
 EEEEEEEEEEDVTDSDLAGRSESGGEKATSVRGDSEEASGAEVVTGVAATAAGKEMDSNEKTTQQS
 SLPPPPPPDLDQPPMEQSSGVLGGKEEGKPERSSSPASALTPEGEATSVTLVEELSLQEAMRKEPG
 ESSSRKACEVCGQAFPSQAALAEHQKTHPKEGLFTCVFCRQGFLEERATLKKHMLLAHQNQYVAFLSNG
 LPMKPWNSSSTSTTTPSLAPPVLFGLGTAVAGKVPPTMGSRKAEKETAPLLFPAPKAVPEKPIIDKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

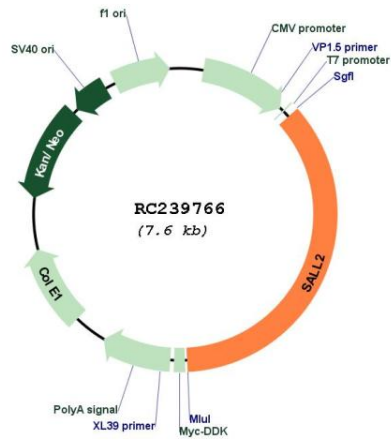
Cloning Scheme:



ACCN: NM_001291446

ORF Size:	2724 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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 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:	NM_001291446.2
RefSeq Size:	3968 bp
RefSeq ORF:	2727 bp
Locus ID:	6297
UniProt ID:	Q9Y467
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome
MW:	96.3 kDa
Gene Summary:	This gene encodes a protein containing multiple zinc finger domains. The encoded protein functions in optical fissure closure during development of the eye in the embryo. Mutations in this gene are associated with ocular coloboma. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RC239766