

## Product datasheet for RC218496

### SALL2 (NM\_005407) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SALL2 (NM\_005407) 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)  
**ORF Nucleotide Sequence:** >RC218496 representing NM\_005407  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCTCGGCGAAAGCAGCGGAAACCCCAACAGTTAATCTCGGACTGCGAAGGTCCCAGCGCGTCTGAGA  
 ACGGTGATGCTAGCGAGGAGGATCACCCCAAGTCTGTGCCAAGTGTGCGCACAATTCAGTACCCCAAC  
 TGAATTCCTCGCCACCAGAACGCATGTTCTACTGACCCCTCTGTAATGGTGATAATTGGGGCCAGGAG  
 AACCCCAACAACCTCTTCGGCCTCCTCTGAACCCCGGCCGAGGGTACAATAATCCTCAGGTCATGGACA  
 CAGAGCATAGCAACCCCCAGATTCTGGGTCTCCGTGCCACGGATCCCACCTGGGGCCAGAGAGGAG  
 AGGAGAGGAGTCTCCAGGGCATTTCCTGGTCCGCTGCCACAGGTACAGCGCTGGGGGAGGCGGGGCTG  
 ATCTTGGCCAGTCCCAAGCTGGGAGCAACCCATTACCTCCAGAATCGACCCCTGCACCCCTCCTCCTC  
 CACCACCCCTCCGCCCCAGGGGTAGGCAGTGGCCACTTGAATATCCCCTGATCTTGGAAAGAGTACG  
 GGTGCTGCAGCAGCGGCAGATCCATCAGATGCAGATGACTGAGCAAACTGCAGGCAGGTGCTGTTGCTT  
 GGCTCCTTAGGCCAGACGGTGGGTGCCCTGCCAGTCCCTCAGAGCTACCTGGGACAGGGACTGCCTCTT  
 CCACCAAGCCCTACTACCCCTTTCAGCCCCATCAAGCTGTCCAAACCAGCAAGACTGGCATCTTC  
 CTCCTCCTCCTCTTCTCCTCCTCAGGGGCAGAAACGCCCAAGCAGGCCTTCTTCCACCTTACCACCCA  
 CTGGGGTCACAGCATCCTTCTGCTGGAGGGTTGGGCGAAGCCACAAACCCACCCCTGCCCTTCCC  
 CAGCCTTGCCAGGCAGCAGATCAGCTGATTGCCTCGCCTCATCTGGCATTCCCAAGCACCACGGGACT  
 ACTGGCAGCACAGTGTCTTGGGGCAGCCGAGGCTTGAGGCCACTGCCTCCCCAGGGCTCCTGAAGCCA  
 AAGAATGGAAGTGGTGAAGTACGGAGAAGTATGGGTCCCTTGGAGAAGCCTGGTGAAGGCACA  
 AATGCCGCTTCTGTGCCAAAGTATTTGGCAGTGACAGTGCCTGCAGATCCACCTTCGTTCCACACGGG  
 TGAGAGGCCCTATAAGTGAATGTCTGTGGAACCGTTTTACCACCCGTGGCAACCTCAAAGTGCATTTT  
 CACCGGCATCGTGAAGTACCCACATGTGCAGATGAACCCACACCCAGTACCAGAGCACCTAGACTATG  
 TCATTACCAGCAGTGGCTTGCTTATGGTATGTCCGTGCCACCAGAGAAGGCCGAGGAGGAGGCAGCCAC  
 TCCAGGTGGAGGGTTGAGCGCAAGCCTCTGGTGGCTCCACAACAGCACTCAGTCCACAGAGAGCCTG



[View online >](#)

ACTCTGCTCTCCACCAGTGCAGGCACAGCCACGGCTCCAGGACTCCCTGCTTTCAATAAGTTTGTGCTCA  
 TGAAGCAGTGGAAACCAAGAATAAAGCTGATGAAAACACCCCCAGGGAGTGAGGGCTCAGCCATCAG  
 TGGAGTGGCAGAAAGTAGCACGGCAACTCGCATGCAACTAAGTAAGTTGGTGACTTCACTACCAAGCTGG  
 GCACTGCTTACCAACCCTTCAAGTCCACTGGCAGCTTCCCCTTCCCCTATGTGCTAGAGCCCTTGGGG  
 CCTCACCTCTGAGACATCAAAGCTGCAGCAACTGGTAGAAAAGATTGACCGGCAAGGAGCTGTGGCGGT  
 GACCTCAGCTGCCTCAGGAGCCCCACCACCTTGCCCCGACCTTTCATCCTCAGCCTTCTTCTGGACCT  
 AACCAGTGTGCATCTGTCTCCGAGTGTAGCTGTCTCGGGCCCTACGCCTTCAATTATGGCCAACATG  
 GAGGTGAGAGGCCCTTCAAATGCAAAGTGTGTGGCAGAGCCTTCCACCAGGGGTAATCTGCGTGACACA  
 TTTCTGTTGGCCACAAGGCCAGTCCAGCTGCCCGGGCACAGAATTCCTGCCCATCTGCCAGAAGAAGTTC  
 ACCAATGCTGCTACTCTGCAGCAGCATGTCCGGATGCACCTGGGGGGCCAGATCCCCAACGGTGGTACTG  
 CACTCCCTGAAGGTGGAGGAGCTGCTCAGGAGAATGGCTCCGAGCAATCTACAGTCTCCGGGGCAGGGAG  
 TTTCCCCCAGCAGCAGTCCAGCAGCCATACCCGGAAGAGGAGTTGTCTGAGGAGGAGGAAGAGGAGGAT  
 GAGGAAGAAGAGGAAGATGTGACTGATGAAGATTCCCTGGCAGGGAGAGGCTCAGAGAGTGGAGGTGAGA  
 AGGCAATATCAGTGAGAGGTGATTCAGAAGAGGCATCTGGGGCAGAGGAGGAGTGGGGACAGTGGCGGC  
 AGCAGCCACAGCTGGGAAGGAGATGGACAGTAATGAGAAACTACTCAACAGTCTTCTTTGCCACCACCA  
 CCACCACCTGACAGCCTGGATCAGCCTCAGCCAATGGAGCAGGGAAGCAGTGGTGTTTAGGAGGCAAGG  
 AAGAGGGGGGCAAACCGGAGAGAAGCTCAAAGTCCGGCATCAGCACTACCCCCAGAAGGGGAAGCCACCAG  
 CGTGACCTTGGTAGAGGAGCTGAGCCTGCAGGAGGCAATGAGAAAAGGAGCCAGGAGAGCAGCAGCAGA  
 AAGGCCTGCGAAGTGTGTGGCCAGGCCTTCCCTCCCAGGCAGCTCTGGAGGAGCATCAGAAGACCACC  
 CCAAGGAGGGGCCGCTTCACTTGTGTTTTCTGCAGGCAGGGCTTCTTGTAGCGGGCTACCCTCAAGAA  
 GCATATGCTCTGGCACACCACAGGTACAGCCCTTCCCCCATGGCCCTCAGAATATTGCTGCTCTT  
 TCTTAGTCCCTGGCTGTTCGCCTTCCATCACCTCCACAGGGCTCCCCCTTCCCCGAAAAGATGACC  
 CCACGATCCCA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC218496 representing NM\_005407  
 Red=Cloning site Green=Tags(s)

MSRRKQRKPPQLISDCEGPSASENGDASEEDHPQVCAKCCAQFTDPTEFLAHQNACTDPPVMVIGGQE  
 NPNNSSASSEPRPEGHNNPQVMDTEHSNPPDSGSSVPTDPTWGPERRGEE SPGHFLVAATGTAAGGGGGL  
 ILASPKLGATPLPPESTPAPPPPPPPPPVGVSGHLNIPLILEELRVLQQRQIHQMTEQICRQVLLL  
 GSLGQTVGAPASPELPGTGTASSTKPLPLFSPIKPVQTSKTLASSSSSSSSSGAETPKQAFFHLYHP  
 LGSQHPFSAGGVGRSHKPTPAPSPALPGSTDQLIASPHLAFPSTTGLLAAQCLGAARGLEATASPGLLKP  
 KNGSGELSYGEVMGPLEKPGGRHKCRFCAKVFSGDSALQIHLRSHTGERPYKCNVCGNRFTRGNLKVHF  
 HRHREKYPHVQMNPHVPEHLDYVITSSGLPYGMSVPPEKAEAAATPGGGVERKPLVASTTALSATESL  
 TLLSTSAGTATAPGLPAFNKFLMKAVEPKNKADENTPPGSEGSASGVAESSTATRMQLSKLVTSLPSW  
 ALLTNHFKSTGSFPFYVLEPLGASPSETSKLQQLVEKIDRQGA VAVTSAASGAPTT SAPAPSSASSGP  
 NQCVICLRVLSRPRALRLHYGQHGGERPFCCKVCGRAFSTRGNLRAHFVGHKASPAARAQNSCPIQKKF  
 TNAVTLQQHVRMHLGGQIPNGGTALPEGGAAQENGSEQSTVSGAGSFPQQSQQPSPEEELSEEEEEED  
 EEEEEEDVTDDESLAGRGSESGGEKAI SVRGDSEASGAEVEVGTVA AAAATAGKEMDSNEKTTQQSSLPPP  
 PPPDSLQDPQPMEQGSSGVLGGKEEGKPERSSSPASAL TPEGEATSVTLVEELSLQEAMRKEPGESSSR  
 KACEVCGQAFPSQAAL EEHQKTHPKEGPLFTCVFCRQGF LERATLKKHMLLAHHQVQPFAPHGPQNI AAL  
 SLVPGCSPSITSTGLSPFPRKDDPTIP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8115\\_h06.zip](https://cdn.origene.com/chromatograms/mk8115_h06.zip)

**Restriction Sites:**

Sgfl-Mlul



**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\\_005407.1](#), [NP\\_005398.1](#)

**RefSeq Size:** 4931 bp

**RefSeq ORF:** 3024 bp

**Locus ID:** 6297

**UniProt ID:** [Q9Y467](#)

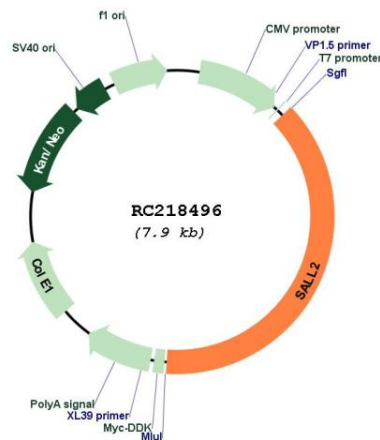
**Cytogenetics:** 14q11.2

**Protein Families:** Druggable Genome

**MW:** 105.1 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 RC218496