

## Product datasheet for **MC229261**

### Sall2 (NM\_001244916) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sall2 (NM\_001244916) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sall2  
**Synonyms:** AI225809; AW559097; mKIAA0360; Msal-2; p150(Sal2); Sal-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229261 representing NM\_001244916  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCAGGAAACCGGGAGCAGCTCTCGACTCGGGGACCTGCGGGGAGTCTGCGGAGCGGGAGGTG  
 ATGCTAGCGAGGAAGACCACCCCAAGTCTGTGCCAAATGCTGCGCACAATTCTCTGACCCGACCGAATT  
 CCTCGCTCACCAGAACTCATGTTGCACTGACCCACCGGTAAATGGTGATAATTGGAGGCCAGGAGAATCCC  
 AGCAACTCTTCAGCCTCCTCTGCGCCCCGACCAGAGGGCCACAGTAGGTCCCAGGTCATGGATACAGAGC  
 ACAGCAATCCCCCAGATTCTGGTCTCTGCGGGCCCCGGATCCCCTTGGGGGCCAGAGCGGAGGGGAGA  
 GGAATCTTCTGGGCAATTCTGGTCTGTCGCCACAGGTACAGCGGCTGGGGGAGGTGGGGGCCTTATCTTG  
 GCCAGTCCCAAGCTGGGAGCAACCCATTACCTCCAGAAATCCACTCCTGCACCCCTCCTCCCCACCTC  
 CCCCTCCCCCTCCAGGTGTAGGCAGTGGCCACTTGAACATTCCTCTGATCTTGAAGAGTTGCGGGTGT  
 GCAGCAGCGCCAGATTACCAGATGCAGATGACTGAACAAATCTGCCGCCAGGTGCTGCTACTTGGCTCC  
 TTGGGGCAGACCGTGGGTGCCCCTGCCAGTCCCTCAGAGCTACCTGGGACAGGGGTGCCCTTTCCACCA  
 AGCCCCACTGCCTCTCTTCAGTCCCATCAAGCCAGCGCAAATGGCAAGACACTGGCATCTTCTCTTTC  
 GTCATCCTCCTCCTCTGGAGCTGAACCGCCTAAGCAGGCTTTCTCCACCTTTACCATCCACTGGGATCA  
 CAGCATCCCTTCTCTGTAGGAGGGTGGGGGAGCCACAACCCACCCCTGCCCTTCCCTGCGCTGC  
 CAGGCAGTACGGATCAGCTGATTGCTTACCTCATCTGGCATTCCCAGGCACCACCGGACTCCTGGCAGC  
 TCAGTGTCTTGGGGCAGCAAGGGCCTTGGAGTGTGCTCCTCCCCAGGGCTCCTGAAGCCAAAGAACGGA  
 AGTGGTGAAGTGGGCTATGGGGAAGTATCAGTTCCTTGGAGAAACCCGGTGAAGGCACAAATGCCGCT  
 TTTGTGCAAAAGTATTCGGCAGTGACAGCGCCCTGCAGATCCACCTTCGTTCCACACTGGTGAGAGGCC  
 CTATAAGTGCAACGTCTGTGTAACCGTTTCAAACTCGGGCAACCTCAAAGTACATTTTACCAGGCAT  
 CGTGAGAAGTACCCACATGTGCAATGAATCCACATCCAGTACCGGAGCCTAGACTACGTCATACCA  
 GCAGTGGGCTGCCTTACGGAATGTCTGTGCCACCAGAGAAAGCAGAAGAGGAGGCAGGCACACCAGGCGG  
 AGGTGTTGAACGCAAAACCCCTAGTGGCCTCCACCACAGCACTCAGTGCCACAGAGAGCCTGACACTGCTC  
 TCCACTGGCACAAGCACAGCAGTGGCTCCTGGGCTCCCTACTTCAACAAGTTTGTGCTCATGAAGGCAG



TGGAACCCAAGAGTAAAGCGGATGAGAACACGCCCCAGGGAGTGAGGGCTCCGCCATCGCTGGAGTAGC  
 AGACAGTGGCTCAGCAACCCGAATGCAGCTAAGTAAGCTGGTGACGTCACTACCGAGTTGGGCACTGCTT  
 ACTAATCACTTGAAGTCAACTGGAAGTTTCCCCTTCCCTTATGTGCTAGAACCTTGGGGCTTCGCCTT  
 CTGAGACCTCAAAGCTGCAGCAGCTAGTAGAAAAGATTGACCGCAAGGAGCTGTGGCGGTGGCATCTAC  
 TGCTCGGGAGCTCCCACCACTTCTGCCCTGCACCTCCTCCTCCGCTTCTGGACCTAACCAAGTGTGTG  
 ATCTGTCTTCGGGTCTGAGCTGCCCTCGGGCTCTACGCCTGCATTATGGCCAACATGGAGGTGAGCGGC  
 CCTTCAAGTGTAAGTGTGTGGCCGAGCTTCTCCACAAGGGGCAATTTGCGCGCACATTTCTGGGTCA  
 CAAGACCAAGTCCAGCTGCCCGGGCTCAGAACTCCTGCCCATTTGTGAGAAGAAGTTCACCTAATGCTGTC  
 ACTCTGCAGCAACATGTTTCGGATGCACCTGGGGGGCCAGATCCCCAATGGGGTTCCGCACTTTCTGAAG  
 GTGGGGGAGCTGCCAGGAAAACAGCTCTGAGCAGTCTACAGCCTCTGGACCAGGGAGTTTCCCCAGCC  
 GCAGTCCCAGCAGCCATCTCCAGAAGAGGAGATGTCTGAGGAAGAGGAAGAGGATGAGGAAGAGGAGGAA  
 GACGTGACAGATGAAGATTCCCTAGCAGGAAGAGGCTCTGAGAGTGGGGGAGAGAAGGCCATATCAGTAC  
 GAGGTGACTCAGAAGAGGTATCTGGGGCAGAGGAAGAAGTGGCAACATCAGTAGCAGCACCCACCACTGT  
 GAAGGAGATGGACAGTAATGAGAAAAGCCCTCAACACACTCTGCCGCCACCTCCGCCACCACCCGACAAC  
 CTGGATCATCCCCAACCCATGGAGCAGGAACCAAGTGTGTTTCCGGAGCCATGGAGGAAGAAGCCAAAC  
 TGAGGGAAACCTCAAGCCGATGGCAGCCCTCACCAAGAAGGGGAGGGACCAGCACCCCTTTGTTGGA  
 AGAGCTGAACTTACCGGAAGCCATGAAGAAGGATCCAGGAGAGAGCAGCGGCAGGAAGGCCCTGTGAAGTA  
 TGTGGCCAGAGCTTCTACCCAGACAGCTCTGGAGGAGCATCAGAAGACCCATCCCAAGGATGGGCCAC  
 TCTTCACTTGTGTCTTCTGCAGGCAGGGCTTCTTGACCGTGCTACCCTCAAGAAGCACATGCTGTTGGC  
 TCACCACCAGGTACCGCCCTTTCACCCCATGGCCCTCAGAATATTGCTACTCTTTCCTTGGTCCCTGGC  
 TGTTCTCCTCCATCCCTTCTCCAGGGCTCTCCCCATTCCTCGAAAAGATGACCCCAACCATGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001244916
- Insert Size:** 3009 bp
- 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001244916.1](#), [NP\\_001231845.1](#)
- RefSeq Size:** 4771 bp

RefSeq ORF: 3009 bp

Locus ID: 50524

UniProt ID: Q9QX96

Cytogenetics: 14 C2

**Gene Summary:** Probable transcription factor that plays a role in eye development before, during, and after optic fissure closure.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' exon which includes 5' UTR and 5' coding region, compared to variant 1. The resulting isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.