

Product datasheet for **MC219849**

Sall4 (NM_201395) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sall4 (NM_201395) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sall4
Synonyms:	5730441M18Rik; AA407717; AL022809; AW536104; C78083; C78563; C330011P20Rik; Tex20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC219849 representing NM_201395
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCGAGGGCGAAGCAGGCGAAGCCCCAGCACATCAACTGGGAGAGGGCCAGGGCGAGCAGCCTCAGC
 AGCTACCGAGCCCGACCTCGCCGAGGCGCTGGCGGCGGAGGAACCCGGTCTCCAGTGAACCTCCCTGG
 GAACTGCGATGAAGCCTCAGAGGACTCCATACCGTGAAGCGGCCCGCGGGAGACACTCACATCTGC
 AACAAATGCTGTGCCGAGTTCTTTAGTCTCTCTGAATTCATGGAACACAAGAAAAGTTGCACTAAAACCC
 CTCCTGTCCTCATCATGAATGACAGCGAGGGGCCAGTGCCTTCAGAGGACTTTTCCAGAGCTGCCCTGAG
 CCACCAGCTGGGAGCCCAAGCAATAAAGACAGTCTCCAGGAGAACGGCAGCAGCTCGGGGGACTTGAAG
 AAGCTGGGCACGGACTCCATCCTGTACTTGAAGACAGAGGCTACCCAGCCATCCACACCCAGGACATAA
 GCTATTTACCCAAAGGCAAAGTAGCCAACCAATGTGACTCTGCAGGCGCTCCGCGGCACCAAGGTGGC
 CGTGAACCAACGGGGTGCAGAGGACCCATGGCGCCCATGCCTGTGCCAAGGCATCCCTTGGGTCTG
 GAGCAGATCCTGTGCCTGCAGCAGCAGCAACTCCAGCAAATCCAGCTTACGGAACAGATTCGCGTCCAGG
 TGAACATGTGGGACGCGACGCGCTCCACTCTGGAGTGGCGGGGCCGACACGCTGAAGGCCTTAAGCAG
 CCATGTGTCTCAGCAAGTGTCCGTGTCCAGCAGGTGTCCGGTGCCTGGCCCTGCTCAGCCAGAAAAGCC
 TCAAACCCAGCTCTGTGCTCGATGCCTTGAACAAGCCAAGCTACCTCATGCCAGCGTCCCTCCCGAG
 CCAGCCCGTTGTCTCGGGTTAACGTCTTACCTTGAAGCCTGACGGGACACGGGTTCTCCCAACTT
 CGTGTCTCGCCTCCAGTGCCTGTACTCAGACTCCGGGCTCTGTGCTCTGCAGAGTCCCTTCTCC
 GCTGTGACGCTCGACAGTCCAAGAAAGGAAAGGGGAAACCCAGAACCCTCCGCTCTGCCTCGGTGT
 TAGATGTCAAGGCCAAGGACGAAGTCTCCTCGTCTGACCAGCTCCCTCCAACATTTATCCGAGCACA
 GCCACCTTTGTCAAAGTTGAAGTGCCTGGCACCTTTGTGGGACCCCGCATGCTCCGCGTATGCCG
 CCTTTGCTAGCATCGCAGCCGACGCCAGCCGCCAGGCCAAGCAGCACTGCTGCACACGGTGTGGAAAGA
 ACTTCTCGTCTGCCAGTGCCTGCAGATCCACGAGCGAACACACACGGGAGAGAAGCCTTTCTGTGTAA
 CATATGCGGGCGGGCCTTACCACGAAAGGCAACCTGAAGGTACTACTACATGACTCATGGGGCAACAAT
 AACTCCGCCCAGGGGAAGGAAAGTGGCCATAGAGAACCCATGGCCGCGCTGAGTGTGAGGGAAAGA
 GAGCGCCGAGGTGTTTTCCAAGGAGCTCCTGTCCCCGCGGTGAGTGTGGACCCCGCTCCTGGAACCA
 GTACACCAGCGTCTGAATGGGGTCTGGCCATGAAGACCAACGAGATCTCCGTGATCCAGAGCGGAGGC
 ATCCCCAGCTGCCTGTGTGCTGGGGCCAGCTCTGTGGTGAAGCAATGGCACGATTTCCAAGCTTGACG
 GCTCTCAGACCGGTGTGAGCATGCCATGAGCGGGAACGGAGAAAAGCTCGCTGTCCCCAGCGCATGGC
 CAAACACCAGTCCCTCACTTCTCTGGAGAAAATAAGATTGCTGTGAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1882_d02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_201395

Insert Size: 1872 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](#)

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_201395.2](#), [NP_958797.2](#)

RefSeq Size: 3741 bp

RefSeq ORF: 1872 bp

Locus ID: 99377

UniProt ID: [Q8BX22](#)

Cytogenetics: 2 88.99 cM

Gene Summary: This gene belongs to the spalt family of zinc finger transcription factors. In mouse, functions for this gene have been described in many embryonic developmental processes, including brain, heart, and limb development. In addition, this gene is an important pluripotency factor that is required for stem cell maintenance. Homozygous mutant mice display embryonic lethality, while conditional knock-out in embryonic germ cells results in failure to establish a robust stem cell population. A pseudogene of this gene is found on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]
 Transcript Variant: This variant (b) uses an alternate in-frame splice site in an internal exon compared to variant a. It encodes isoform b, which is shorter than isoform a.