

## Product datasheet for **MC212042**

### Sall4 (NM\_201396) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sall4 (NM\_201396) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sall4  
**Synonyms:** 5730441M18Rik; AA407717; AL022809; AW536104; C78083; C78563; C330011P20Rik; Tex20  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212042 representing NM\_201396  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCGAGGGCGCAAGCAGGGCAAGCCCCAGCACATCAACTGGGAGGAGGGCCAGGGCGAGCAGCCTCAGC  
 AGCTACCGAGCCCCGACCTCGCCGAGGCGCTGGCGGCGGAGGAACCCGGTCGTACCAGCCTCCCTCCAAC  
 ATTTATCCGAGCACAGCCACCTTTGTCAAAGTTGAAGTGCCTGGCACCTTTGTGGGACCCCCAGCATG  
 CCCTCGGGTATGCCGCTTTGCTAGCATCGCAGCCGACGCGCCAGGCCAAGCAGCACTGCTGCA  
 CACGGTGTGAAAAGAACTTCTCGTCTGCCAGTGCCTGCAGATCCACGAGCGAACAACACACGGGAGAGAA  
 GCCTTTGCTGTGAACATATGCGGGCGGGCCTTACCACGAAAGGCAACCTGAAGGTACTACTACATGACT  
 CATGGGGCCAACAATAACTCCGCCCGCGGGGAAGGAAGTGGCCATAGAGAACCCCATGGCCGCGCTGA  
 GTGCTGAGGGAAGAGAGCGCCGAGGTGTTTTCCAAGGAGCTCCTGTCCCCGCGGTGAGTGTGGACCC  
 CGCCTCCTGGAACCAAGTACACAGCGTCTGAATGGGGTCTGGCCATGAAGACCAACGAGATCTCCGTG  
 ATCCAGAGCGGAGGCATCCCCAGCTGCCTGTGTCGCTGGGGCCAGCTCTGTGGTGAGCAATGGCAGCA  
 TTTCCAAGCTTGACGGCTCTCAGACCGGTGTGAGCATGCCATGAGCGGGAACGGAGAAAAGCTCGCTGT  
 TCCCGACGGCATGGCCAAACACCAGTTCCTCACTTCTGGAGGAAAATAAGATTGCTGT**CAGCTAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_201396  
**Insert Size:** 837 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_201396.3</a> , <a href="#">NP_958798.2</a>
<b>RefSeq Size:</b>	2737 bp
<b>RefSeq ORF:</b>	837 bp
<b>Locus ID:</b>	99377
<b>UniProt ID:</b>	<a href="#">Q8BX22</a>
<b>Cytogenetics:</b>	2 88.99 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (c) lacks an in-frame exon compared to variant (a). It encodes isoform c, which is shorter than isoform a.</p>