

Product datasheet for **MC216335**

Sohlh2 (NM_028937) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sohlh2 (NM_028937) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sohlh2
Synonyms:	4933406N12Rik; AI413378; Sosf2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216335 representing NM_028937
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGACCGGATCAGCACTGGGAGCTAGGCCGGAGGCTGGGCAGGGCAGAGTAAATCTTTTGCTGG
TTGGAGATGCCACAAGATACTTCTGGCTGGCTCTATGCAGAAATCTTTCTAGCACAGCACAGATCAC
CCTGACCATCAGCAATGTGAAGAAGTCCGCGTCTTTGGCTGCTAACTCGTTTGACATAATTTCTTG
AAGGTGACTTCCACTCTAACTGCAGAGGAGCAGGAGGCTGCCAAGTTAATTAGATCTGGCAAGAAGAAA
ACACACATTTGCTGTTTCTTTGTAATACCTGAAAGACTTAAAGGCTATGTTTCAGAATATGGAGCTGA
CATTAGTTTCAGTGAGCCGCTGACCTTGGAAAAAGTGAACACGGTGATACACTACTGGAAAAAGTATTTT
ACAAATACGGATATGGAAAACTGAGTTGCCTCCAGAATGCCGGCTGTACTTTCAGACGTCGCCGAGT
AACTCGGAGGGCGTTTTTCTACAGATATGTTTCTTTGCTCTGAACTGCTGAAGAATGACGCTAGACTTGG
ATTAAGGCCCGTTTGTGAGTCTAGACAAAAGCAAACAGGCGTCTTTTCTTCACTCAACCAAGAAAAG
CTGAGACGAGAACGCATCAAGTCTTGTGTGAGCAGCTGCGCACGCTCCTGCCATACGTCAAGGGGAGGA
AGAGCGATGTGGCATCAGTTATCGAGGCCACAGTTGATTATGTGAAGCAGGTCGGGAGTCTCTCTCTCC
AGCCATTATGGCCAGGTTACAGAAGCCATTACAGAAATAGAAAGTTTTCTAAGAGACAGATGCCCATC
GAGCTGTTCTTCCATTCTCAGCCACATCAGAGGGAAGATGCCATGCTGACCAGCGCTTCTCACCTG
TGCAAGAGATTGAGTCTGGCTGATCGGGGCTGAACGTGTATTCCATGACTGCTGCAGGAGGAGCTTT
GGAGGGAGCAGTGAGAGGTCAGCCAGGCTCTGTTCCGAGAGCTCTATTGAGGATCTGTATAAGACTCGC
GTCCCCAGCACAGCCGATCTCTGAATTCCTTCCACTCTGTCAAATACACTTCTGGAAGTGTCTCTCCC
ATGAGGCAGCTGCCAGGACAAATCAGAACATTTCCACTTATTTGCCACCCACTGCACCCAGTGTGTCCAA
CTTTATTCTCAGCACTGCAATGCCATGCTTTGCCAGCAGCCCAACCGTCCCAACTGCCTGTGCACT
CCGGGCCATGAGCTTGCAGCCAGTTCTCGCGCTGCCTCAGCCAGCATCTTTCGTGGATTCCGTGGCGCT
CAGCTTCGGATCACCAGGCTCTCAGCCACCTGCTCTGCCATCTCCACAGCCTCAGACAGTAGTTACTT
TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028937

Insert Size: 1404 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).

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_028937.3](#), [NP_083213.2](#)

RefSeq Size: 2351 bp

RefSeq ORF: 1404 bp

Locus ID: 74434

UniProt ID: [Q9D489](#)

Cytogenetics: 3 C

Gene Summary: Transcription regulator of both male and female germline differentiation. Suppresses genes involved in spermatogonial stem cells maintenance, and induces genes important for spermatogonial differentiation (PubMed:22056784). Coordinates oocyte differentiation without affecting meiosis I (PubMed:28504655).[UniProtKB/Swiss-Prot Function]