

Product datasheet for **RR211757**

Sohlh2 (NM_001034961) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sohlh2 (NM_001034961) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sohlh2
Synonyms:	RGD1304752
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR211757 representing NM_001034961
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACAGGATCAGCACTGGGGAGCTAGGCCGGAGGCCGGGGCAGGGAAGAGTAGACCTTTTGCTAG
 TTGGAGATGCCACACGATATTTCTGGCTGTTCTGTGCAGAAATCTTTTCCAGCACAGCACAGATCAC
 CCTGACCATTAGCAACGTGAAGAAGGTAGCTGCGCTTCTGGCTGCTAACTCGTTTGACATAATCTTCTTG
 AAGGTGACTTCTACCTTAACTGCAGAGGAGCAGGAGGCCGTGAGATTGATTAGATCTGGCAAGAAGAAAA
 ACACACATTTGCTGTTTCTTTGTAATACCTGAAAACTTAGAGGCTATATTTCCAGATTATGGAGCTGA
 TATTAGTTTCAATGAGCCACTGACCTTGGAAAAAGTGAACACTGTGATAAACTACTGGAAAACTATTTT
 ACAATAACGGATATGGGGAACACTGAGTTGCCTCCAGAATGCAGACTCTACTTCCAGACTTCTGCAGCG
 AACTCGGAGGGCATTTCCTACAGATCTGTTTCTTTGCTCTGAAGTCTGAAACAATGACTGGACTTGG
 ATTAAGGCCCGCTGTGAGTCCAGAGAGAAACAAAAAGGCTTCTTTTCTTCACTCAAGCAAAGAAAAAG
 CTGAGACGAGAGCGCATCAAGTTTTGCTGTGAGCAGCTGCGCACCTCCTGCCATACGTCAAGGGGAGGA
 AGAGTGATGTGGCTTCCGTCATCGAGGCCACAGTTGATTATGTGAAGCAGGTCCGGGAGTCTCTCTCGCC
 AGCCATTATGGCCAGATTACAGAATCCCTTCCAGAGCAATAAGAGGTTTTCTAAGAGACAGATGCCCATC
 GAGCTGTTCTCCCTGCACAGCCACATCACAGAGGGGAGATGCTATGCTGACAAGTGTCTTCTCACCTG
 TGCAAGAGATCCAGCTCCTGGCTGACCAGGGCTTGAATGTCTATTCATGCTGCTGAGGAGGACCTTT
 GGAGGAAGCTGTGAGAGGTGAGCCGGCTCTGTTTCCAGAGGATCTTTATAAGACTCGAGTCCCAGCAGC
 ACTCTCTCTGAACTCCTTCCATGCTGTCAGATACTGCTCTGGACCCGCTCTCTCCCATGAGGCAGCTG
 CCAGAACAACCCAGAACATTTCCATTTATTTACCACCCACTGGGCCAGTGTGTCAGCTTACTCCTCA
 GCACTGCAATGCCATGCTTTGCCCAACAGCCAGCCAGCTCCAGTTGTCTGTGCACTTCCGGCCATGAG
 CTCCCAGCCAGTTCTCGCACTGCCTCATCCAGCATCTTTCGTTGGTTCCGAGAATCAGACTCGGGTCACC
 AGGCTTCTCAGCAACCCACTGGGCCGCTCTGACGCTCAAGACAGCAGTTACTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211757 representing NM_001034961
 Red=Cloning site Green=Tags(s)

MADRISTGELGRRPGQGRVDLLLVDATRYFLAGSVQKFFSSTAQITLTISNVKKVAALLAANSFDIIFL
 KVTSTLTAEQEAVRLIRSGKKKNTLLFAFVIPEKLRGYISDYGADISFNEPLTLEKVNTVINWYKTYF
 TNTDMGNTELPPECRLYFQTSCELGHFPTDLFLCELLNNDTGLGLKAPLSSPERNKKASFLHSSKEK
 LRRERIKFCCEQLRLLPYVKGRKSDVASVIEATVDYVKQVRESLSPAIMAQITESLQSNKRFKRQMPI
 ELFLPCTATSQRGDAMLTSFSPVQEIQLLADQGLNVYSMPAAGGPLEEAVRGQPGSVSEDLKTRVPST
 TLLSLNSFHAVRYCSGPVSPHEAAARTNQINISYLPPTGPSVSSFTPQHNCAMLCPTRPASSSCLCTSGHE
 LPASSRTASSSIFRGRFRESDSGHQASQPTGPSLQPDSSYF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

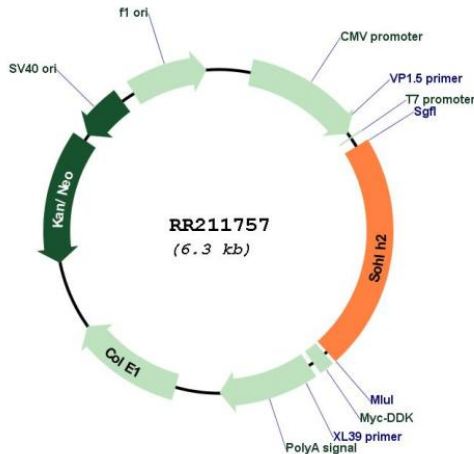
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001034961

ORF Size: 1386 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001034961.1](#), [NP_001030133.1](#)

RefSeq Size: 2365 bp

RefSeq ORF: 1389 bp

Locus ID: 619575

UniProt ID: [Q3MHT3](#)

Cytogenetics: 2q26

MW: 50.7 kDa

Gene Summary: Probable transcription factor, which may be involved in spermatogenesis and oogenesis.
[UniProtKB/Swiss-Prot Function]