

Product datasheet for RC236712

SOHLH2 (NM_001282147) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOHLH2 (NM_001282147) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SOHLH2
Synonyms:	bHLHe81; SOSF2; SPATA28; TEB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236712 representing NM_001282147 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTTCCTCAATTATCTGCCAGGAGCACTGCCAGATCTGGGCCAGGCAAAAATAGACATCTTATTAG
TTGGAGATGTCACTGTGGCTACCTGGCTGATACTGTACAGAACTATTTGCAAACATAGCAGAAGTCAC
CATCACCATCAGTGACACGAAGGAGGCAGCAGCGCTTTTGGATGATTGCATATTTCAACATGGTTCTCTTG
AAGGTGCCTTCTCACTAAGTGCCGAGGAGCTGGAAGCCATCAAGTTAATTAGATTTGGCAAAAAGAAAA
ATACACATTCAGTGTGTTTTTATAATCCCTGAAAATTTTAAAGTTGTATTTCAAGGCATGGAATGGA
TATTGCTTTAACTGAACCACTGACAATGGAAAAATGAGTAATGTGGTAAATACTGGACAACATGTCCC
TCAAACACTGTTAAGACTGAAAACGCAACTGGCCTGAAGAACTGGATTGCCCTGCAGAGGTCCTACA
GCGAACACCTGGGATATTTTCTACTGATCTATTTGCCTGCTCTGAATCTTTAAGGAATGGCAATGGGCT
TGAATTAATGCTTCGTTGTGTCAGAGTTCGAGAAAAACAAAAGATCTCTCTTCTTCATTCAAGCAAGGAA
AACTAAGAAGGCTGTACAGGAAGCATAGCAGCTTCTGTTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236712 representing NM_001282147
Red=Cloning site Green=Tags(s)

MASSIICQEHQISGQAKIDILLVGDVTVGYLADTVQKLFANIAEVTITISDTKEAAALLDDCIFNMVLL
 KVPSSLSAELEAIKLIIRFGKKKNTLSLFFVFIIPENFKGCISGHGMDIALTEPLTMEKMSNVVYWTTCF
 SNTVKTENATGPEELGLPLQRSYSEHLGYFPTDLFACSESLRNGNGLELNASLSEFEKNNKISLLHSSKE
 KLRRLYRKHSSFCFW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

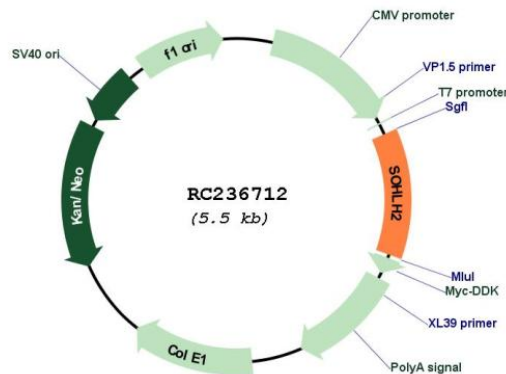
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282147

ORF Size: 675 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:	<ol style="list-style-type: none">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_001282147.1 , NP_001269076.1
RefSeq Size:	1936 bp
RefSeq ORF:	678 bp
Locus ID:	54937
UniProt ID:	Q9NX45
Cytogenetics:	13q13.3
Protein Families:	Transcription Factors
MW:	25.5 kDa
Gene Summary:	This gene encodes one of testis-specific transcription factors which are essential for spermatogenesis, oogenesis and folliculogenesis. This gene is located on chromosome 13. The proteins encoded by this gene and another testis-specific transcription factor, SOHLH1, can form heterodimers, in addition to homodimers. There is a read-through locus (GeneID: 100526761) that shares sequence identity with this gene and the upstream CCDC169 (GeneID: 728591). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]