

## Product datasheet for **RG236712**

### SOHLH2 (NM\_001282147) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SOHLH2 (NM_001282147) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SOHLH2
Synonyms:	bHLHe81; SOSF2; SPATA28; TEB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236712 representing NM_001282147. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTTCCTCAATTATCTGCCAGGAGCACTGCCAGATCTCGGGCCAGGCAAAAATAGACATCTTATTA
GTTGGAGATGTCAGTGTGGGCTACCTGGCTGACTGTACAGAACTATTTGCAAACATAGCAGAAGTC
ACCATCACCATCAGTGACACGAAGGAGGCAGCAGCGCTTTGGATGATTGCATATCAACATGGTTCTC
TTGAAGGTGCCTTCTCACTAAGTGCCGAGGAGCTGGAAGCCATCAAGTTAATTAGATTTGGCAAAAAG
AAAAATACACATTCAGTGTGGTTTTTATAATCCCTGAAAATTTAAAGTTGTATTTAGGGCATGGA
ATGGATATTGCTTAACTGAACCACTGACAATGGAAAAATGAGTAATGTGGTAAATACTGGACAACA
TGCCCTCAAACACTGTTAAGACTGAAAACGCAACTGGGCTGAAGAAGTTGGATTGCCCTGCAGAGG
TCCTACAGCGAACACCTGGGATATTTCTACTGATCTATTTGCCTGCTCTGAATCTTTAAGGAATGGC
AATGGGCTTGAATTAATGCTTCGTTGTGAGAGTTCGAGAAAAACAAAAGATCTCTCTTCTTATTCA
AGCAAGGAAAACTAAGAAGGCTGTACAGGAAGCATAGCAGCTTCTGTTTCTGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



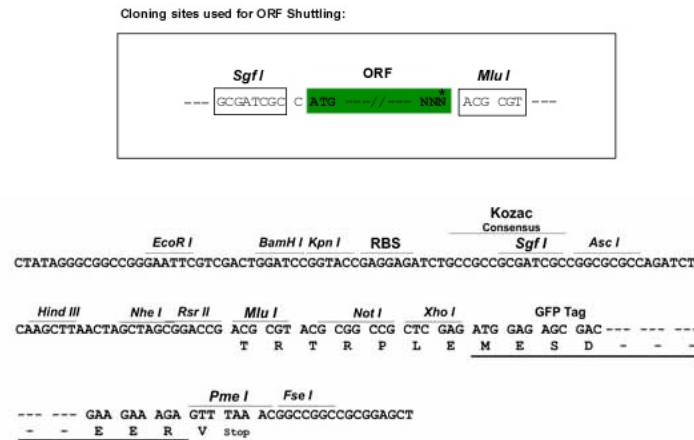
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG236712  
 Blue=ORF Red=Cloning site Green=Tag(s)

MASSIICQEHQCISGQAKIDILLVGDVTVGYLADTVQKLFANIAEVTITISDTKEAAALLDDCIFNMVL  
 LKVPSSLSAELEAIKLRFGKKNTHSLFVFIIPENFKGCISGHGMIDIALTEPLTMEKMSNVVYKWT  
 CPSNTVKTENATGPEELGLPLQRSYSEHLGYFPTDLFACSESLRNGNGLELNASLSEFEKNKKISLLHS  
 SKEKLRLRYRKHSFCFW  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAVHLPMDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

**RefSeq:** [NM\\_001282147.1](#), [NP\\_001269076.1](#)

**RefSeq Size:** 1936 bp

**RefSeq ORF:** 678 bp

Locus ID: 54937

UniProt ID: [Q9NX45](#)

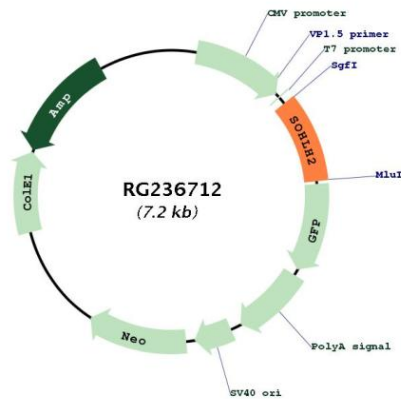
Cytogenetics: 13q13.3

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]

### Product images:



Circular map for RG236712