

Product datasheet for **RG223319**

SOHLH1 (NM_001101677) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOHLH1 (NM_001101677) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SOHLH1
Synonyms:	bA100C15.3; bHLHe80; C9orf157; NOHLH; ODG5; SPATA27; SPGF32; TEB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223319 representing NM_001101677 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGTCCCGGTGCTCCGAGCCCTACCCGAGGTCTCCAGAATCCCTACCGTCAGGGGATGCAACGGCT
CCCTGTCTGGTGCCTCTCCTGTGCGAGGACTCGGCCAGGGCTCGGGCCGCCCAAGGCCCTACGGT
GGCCGAGGGTCCAGCTCCTGCCTTCGGCGGAACGTGATCAGCGAGAGGGAGCGCAGGAAGCGGATGTGC
TTGAGCTGTGAGCGTCTGCGGGCCTGTGCCAGTTTCGATGGCCGGCGGGAGGACATGGCCTCGGTCC
TGGAGATGTCTGTGAGTTCTGCGGCTTGCCAGCGCCCTGGGGCCAGTCAGGAGCAGCAGCTATTCT
TGCTTCCTCCAAGGAAATGTGGCACTCGTTGCAGGAGGATGTTTTACAGTTGACGTTGTGAGTCAGATT
CAAGCAGGTGTGCCAGACCCTGGGACGGGAGCGTCCAGCGGGACTCGAACCCAGATGTGAAGCGTTTC
TGGAAAGTCCTTGGTCCCTGGATCCAGCGTCCGCCAGCCAGAGCCCGTGCCGCACATCCTTGCCTCCTC
CAGGCAGTGGGACCCCGAGCTGCACGTCCCTGGGCACGGACAAGTGTGAGGCACTGTTGGGGCTGTGC
CAGGTGCGGGGTGGGCTGCCCCCTTCTCAGAACCTTCAGCCTGGTGCCGTGGCCCCAGGCCGGAGTC
TTCCTAAGGCTGTGAGGCCACCCCTGTCTGGCCTCCGTTCTCGCAGCAGCAGACCTTGGCCGTGATGAG
CGGGGAGGCCCTTGGCTGGCTGGCCAGGCTGGGCCCTGGCCATGGGGCTGCACCTCTGGGGAGCCA
GCCAAGGAGGACCCATGCTGGCGCAGGAGGCCGGTCTGCGTTGGGGTCTGATGTGGACGATGGGACGT
CCTTCCTGCTGACTGCTGGTCCAGCTCGTGCCGGGGTCTCTGGAGGGTCGAGGAGGCAGTGCCCTGC
ATGGGCCCCAGCTGAGAGCAGTCCACTGGATGTTGGAGAGCCAGGCTTCCTAGGGGACCCCTGAGCTTGGC
TCCAGGAGCTCCAGGACAGCCCTCTGGAGCCGTGGGGCCTGGATGTGGACTGTGCAGGCCTGGCCCTGA
AGGACGAGGTGGAGAGCATCTTCCCTGACTTCTTTGCCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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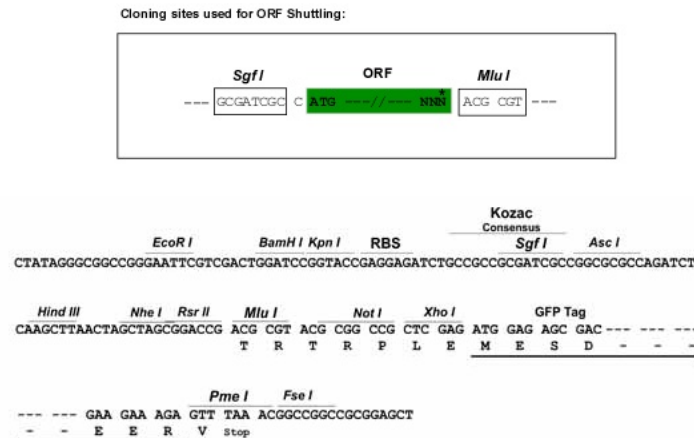
Protein Sequence: >RG223319 representing NM_001101677
 Red=Cloning site Green=Tags(s)

MASRCSEPYPEVSRIP TVRG CNGSL SGALSCCEDSAQGS GPPKAPTVAEGPSSCLRRNVISERERRKRMS
 LSCERLRALLPQFDGRREDMASVLEMSVQFLRLASALGPSQEQHAILASSKEMWHS LQEDVLQLTLSSQI
 QAGVPDPGTGASSGTRTPDVKAFLESPWSLDPASASPEPVPHILASSRQWDPASCTSLGTDKCEALLGLC
 QVRGGLPPFSEPSLV PWP PGRSLPKAVRPPLSWPPFSQQQTL PVMSG EALGWLQQAGPLAMGAAPLGEP
 AKEDPMLAQEAGSALGSDVDDGTSFLLTAGPSSWPGSLEGRGGSGPAWAPAESSPLDVGE PGFLGDPELG
 SQELQDSPLEPWGLDVDCAGLALKDEVESIFPDFFAC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001101677

ORF Size: 1161 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_001101677.1](#), [NP_001095147.1](#)

RefSeq Size: 1425 bp

RefSeq ORF: 1164 bp

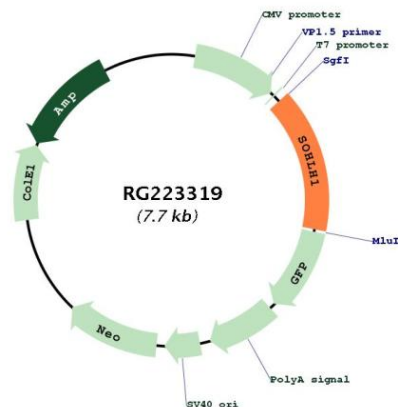
Locus ID: 402381

UniProt ID: [Q5JUK2](#)

Cytogenetics: 9q34.3

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 9. Mutations in this gene are associated with nonobstructive azoospermia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG223319