

Product datasheet for **SC309682**

GRHL3 (NM_198173) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRHL3 (NM_198173) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRHL3
Synonyms:	SOM; TFCP2L4; VWS2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_198173, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTGCAATGAACTTGATTTTCAGGTCTGTGCGGCTGCTAAAGAACGACCCAGTCAACTTG CAGAAATCTCTTACACTAGTGAGGATGAGGCCTGGAAGACGTACCTAGAAAACCCGTTG ACAGCTGCCACAAAGGCCATGATGAGAGTCAATGGAGATGATGACAGTGTGCGGCCTTG AGCTTCCTCTATGATTACTACATGGGTCCCAAGGAGAAGCGGATATTGTCCTCCAGCACT GGGGCAGGAATGACCAAGGAAAGAGTACTACCATGGCATGGAATATGAGACGGACCTC ACTCCCCTTGAAAGCCCCACACACCTCATGAAATTCCTGACAGAGAACGTGTCTGGAACC CCAGAGTACCCAGATTTGCTCAAGAAGAATAACCTGATGAGCTTGAGGGGGCCTTGCCC ACCCCTGGCAAGGCAGCTCCCCTCCCTGCAGGCCCCAGCAAGCTGGAGGCCGGCTCTGTG GACAGCTACCTGTTACCCACCACTGATATGTATGATAATGGCTCCCTCAACTCCTTGTTT GAGAGCATTATGGGGTCCGCCACACAGCGCTGGCAGCCAGACAGCACCTTCAAAGAT GACCCACAGGAGTCGATGCTCTTCCAGATATCCTGAAAACCTCCCCGGAACCCCATGT CCAGAGGACTACCCAGCCTCAAAGTGACTTTGAATACACCCTGGGCTCCCCAAAGCC ATCCACATCAAGTCAGGCGAGTCACCCATGGCCTACCTCAACAAAGGCCAGTTTACCCC GTCACCCTGCGGACCCAGCAGGTGGCAAAGGCCTTGCCTTGCTCCAACAAAGTCAAG AGTGTGGTGATGGTTGTCTTCGACAATGAGAAGTCCCAGTAGAGCAGCTGCGCTTCTGG AAGCACTGGCATTCCCGCAACCCACTGCCAAGCAGCGGGTCATTGACGTGGCTGACTGC AAAGAAAACCTTCAACTGTGGAGCACATTGAGGAGGTGGCCTATAATGCACTGTCCTTT GTGTGGAACGTGAATGAAGAGGCCAAGGTGTTTCATCGGCGTAAACTGTCTGAGCACAGAC TTTTCTCACAAAAGGGGTGAAGGGTGTCCCCTGAACCTGCAGATTGACACCTATGAC TGTGGCTTGGGCACTGAGCGCCTGGTACACCGTGTCTGCCAGATCAAGATCTTCTGT GACAAGGGAGCTGAGAGGAAGATGCGCGATGACGAGCGGAAGCAGTTCCGGAGGAAGGTC AAGTGCCCTGACTCCAGCAACAGTGGCGTCAAGGGCTGCCTGCTGTCGGGCTTCAGGGGC AATGAGACGACCTACCTTCGGCCAGAGACTGACCTGGAGACGCCACCCGTGCTGTTTCATC CCCAATGTGCACTTCTCCAGCCTGCAGCGCTTGGAGGGGAGCCCTCGGCAGGACCC AGCAGCTCCAACAGGCTGCCTCTGAAGCGTACCTGCTCGCCCTTCACTGAGGAGTTTGAG CCTCTGCCCTCCAAGCAGGCCAAGGAAGGCGACCTTCAAGAGTTCTGCTGTATGTGCGG AGGGAGACTGAGGAGGTGTTGACGCGCTCATGTTGAAGACCCAGACCTGAAGGGGCTG AGGAATGCGATCTCTGAGAAGTATGGGTCCCTGAAGAGAACATTTACAAAGTCTACAAG AAATGCAAGCGAGGAATCTTAGTCAACATGGACAACAACATCATTACAGCATTACAGCAAC CACGTCGCTTCTGCTGACATGGGGAGCTGGACGGCAAATTCAGATCATCCTTAAG GAGCTGTAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_198173
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_198173.1](#), [NP_937816.1](#)

RefSeq Size: 2815 bp

RefSeq ORF: 1809 bp

Locus ID: 57822

UniProt ID: [Q8TE85](#)

Cytogenetics: 1p36.11

Gene Summary: This gene encodes a member of the grainyhead family of transcription factors. The encoded protein may function as a transcription factor during development, and has been shown to stimulate migration of endothelial cells. Multiple transcript variants encoding distinct isoforms have been identified for this gene.[provided by RefSeq, Aug 2010]
Transcript Variant: This variant (2, also known as SOM2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.