

## Product datasheet for **SC321864**

### GRHL3 (NM\_198174) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRHL3 (NM_198174) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRHL3
Synonyms:	SOM; TFCP2L4; VWS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_198174.1
GGACGCGTGGGTGAGTGAGTAAACATCGGTGGATACCTGCCGCTCTCAGAGCGTGGAGGC
TGGATGGGGTTTCTGGAGGGGAAGAGCGGGGAGGCCGGCACCCGGGATTCACAGAGCAA
TTTGTAAAGGTAATGAATGGGCTGACGATCTTACTTTGGCGTGTCAAGGCAAGCCCCAG
TCTCAAGCTAGAGTTTCAGGTCTGTGCGGCTGCTAAAGAACGACCCAGTCAACTTGCAGA
AATTCTTTACTACTAGTGAAGGCTGAGGCCTGGAAGACGTACCTAGAAAACCCGTTGACAG
CTGCCACAAAGGCCATGATGAGAGTCAATGGAGATGATGACAGTGTTCGGGCCTTGAGCT
TCCTCTATGATTACTACATGGGTCCCAAGGAGAAGCGGATATTGCTCCTCAGCACTGGGG
GCAGGAATGACCAAGGAAAGAGGTAACCATGGCATGGAATATGAGACGGACCTCACTC
CCCTTGAAAGCCCCACACACCTCATGAAATTCCTGACAGAGAACGTGTCTGGAACCCAG
AGTACCCAGATTTGCTCAAGAAGAATAACCTGATGAGCTTGGAGGGGGCCTTGCCACCC
CTGGCAAGGCAGCTCCCCTCCCTGCAGGCCCCAGCAAGCTGGAGGCCGGCTCTGTGGACA
GCTACCTGTTACCCACCACTGATATGTATGATAATGGCTCCCTCAACTCCTTGTGTTGAGA
GCATTCATGGGGTGCCGCCACACAGCGCTGGCAGCCAGACAGCACCTTCAAAGATGACC
CACAGGAGTCGATGCTCTTCCAGATATCCTGAAAACCTCCCCGGAACCCCATGTCCAG
AGGACTACCCAGCCTCAAAAGTGACTTTGAATACACCCTGGGGTCCCCCAAAGCCATCC
ACATCAAGTCAGGCGAGTCACCCATGGCCTACCTCAACAAGGCCAGTTCTACCCCGTCA
CCCTGCGGACCCAGCAGGTGGCAAAGGCCTTGCCCTTGTCTCCAACAAGTCAAGAGTG
TGGTGATGGTTGTCTTCGACAATGAGAAGTCCCAGTAGAGCAGCTGCGCTTCTGGAAGC
ACTGGCATTCCCAGCAACCCACTGCAAGCAGCGGGTCAATTGACGTGGTGTACTGCAAAAG
AAAACCTCAACACTGTGGAGCACATTGAGGAGTGGCCTATAATGCACTGTCTTGTGT
GGAACGTGAATGAAGAGGCCAAGGTGTTTCATCGCGTAAACTGTCTGAGCACAGACTTTT
CCTCAGAAAAGGGGTGAAGGGTGTCCCCCTGAACCTGCAGATTGACACCTATGACTGTG
GCTTGGGCACTGAGCGCCTGGTACACCGTGTCTGCCAGATCAAGATCTTCTGTGACA
AGGGAGCTGAGAGGAAGATGCGCGATGACGAGCGGAAGCAGTTCCGGAGGAAGTCAAGT
GCCCTGACTCCAGCAACAGTGGCGTCAAGGGTGCCTGTGTGCGGCTTCCAGGGCAATG
AGACGACCTACCTTCGGCCAGAGACTGACCTGGAGACGCCACCCGTGCTGTTTCATCCCCA
ATGTGCACTTCTCCAGCCTGCAGCGCTCTGGAGGGGCAGCCCCCTCGGCAGGACCCAGCA
GCTCCAACAGGCTGCCTCTGAAGCGTACCTGCTCGCCCTCACTGAGGAGTTTGAGCCTC
TGCCCTCAAGCAGGCCAAGGAAGGCGACCTTCAGAGAGTTCTGTGTATGTGCGGAGGG
AGACTGAGGAGGTGTTTACGCGCTCATGTTGAAGACCCAGACCTGAAGGGGCTGAGGA
ATGCGATCTCTGAGAAGTATGGGTTCCCTGAAGAGAACATTTACAAAGTCTACAAGAAAT
GCAAGCGAGGAATCTTAGTCAACATGGACAACAACATCATTACAGCATTACAGCAACCAG
TCGCTTCTGTGGACATGGGGGAGCTGGACGGCAAAATTCAGATCATCCTTAAGGAGC
TGTAAGGCCTCTCGAGCATCCAACCCCTCACGACCTGCAAGGGGCCAGCAGGGACGTGGC
CCCACGCCACACACAACCTCTCCACATGCCTCAGCGCTGTTACTTGAATGCCTTCCCTGA
GGGAAGAGGCCCTTGAGTCACAGACCCACAGACGTGAGGGCCAGGGAGAGACCTAGGGGG
TCCCCTGGCCTGGATCCCATGGTATGCTTGAATCTGCTCCCTGAACTTCTGCCAGTGC
CTCCCCTACCCCAAAACAATGTCACCATGGTTACCACCTACCCAGAAGACTGTTCCCTC
CTCCCAAGACCCTTGTCTGCAGTGGTGTCTCTGCAGGCTGCCCGTTAAGATGGTGGCGGC
ACACGCTCCCTCCCGCAGCACCACGCGCTGGTGGCGCCCCACTCTGTCTTCTTCTT
AACTTCAGACAAAGGATTTCTCAACCTTTGGTCAGTAACTTGAAAACCTTGTATTTTCA
GTGCAAAATGACTTTTAAAGACTATATTGGAGTCTCTTTCTCAGACTTCTCAGCGCA
GGATGTAAATAGCACTAACGATCGACTGGAACAAAGTGACCGCTGTGTAATAACTACTGCC
TTGCCACTCACTGTTGTATACATTTCTTATTTACGATTTTCATTTGTTATATATATAT
AAATATACTGTATATATATGCAACATTTTATATTTTTCATGGATATGTTTTATCATTTT
AAAAAATGTGATTTTACATTTCTTGGACTTTTTTTAGCTGTTATTCAGTGATGCATTTT
GTATACTCACGTGGTATTTAGTAATAAAAAATCTATCTATGTATTACGTACATTAATAAAA
AAAAAAAAA
    
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**Restriction Sites:**

Please inquire

<b>ACCN:</b>	NM_198174
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_198174.1</a></u> , <u><a href="#">NP_937817.2</a></u>
<b>RefSeq Size:</b>	2528 bp
<b>RefSeq ORF:</b>	1530 bp
<b>Locus ID:</b>	57822
<b>UniProt ID:</b>	<u><a href="#">Q8TE85</a></u>
<b>Cytogenetics:</b>	1p36.11
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) 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. This variant also differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (3) has distinct N- and C-termini and is longer than isoform 1.</p>