

## Product datasheet for **SC111834**

### GRHL3 (NM\_021180) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GRHL3 (NM_021180) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRHL3
Synonyms:	SOM; TFCP2L4; VWS2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_021180, the custom clone sequence may differ by one or more nucleotides

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ATGTGGATGAATTCATTCTTCTATTTTTCTTTTCAGGCTGTGCGGCTGCTAAAGAACGACCCAGTCA
ACTTGCAGAAATCTCTTACACTAGTGAGGATGAGGCCTGGAAGACGTACCTAGAAAACCCGTTGACAGC
TGCCACAAGGCCATGATGAGAGTCAATGGAGATGATGACAGTGTGCGGCCTTGAGCTTCTCTATGAT
TACTACATGGGTCCCAAGGAGAAGCGGATATTGTCTCCAGCACTGGGGGCAAGGAATGACCAAGGAAAGA
GGTACTACCATGGCATGGAATATGAGACGGACCTCACTCCCCTTAAAAGCCCCACACACCTCATGAAATT
CCTGACAGAGAACGTGTCTGGAACCCAGAGTACCCAGATTTGCTCAAGAAGAATAACCTGATGAGCTTG
GAGGGGGCCTTGCCACCCCTGGCAAGGCAGCTCCCCTCCCTGCAGGCCCCAGCAAGCTGGAGGCCGGCT
CTGTGGACAGCTACCTGTTACCCACCACTGATATGTATGATAATGGCTCCCTCAACTCCTGTTTGAGAG
CATTTCATGGGGTGCCGCCACACAGCGCTGGCAGCCAGACAGCACCTTCAAAGATGACCCACAGGAGTGC
ATGCTCTTCCCAGATATCTGAAAACCTCCCCGGAACCCCATGTCCAGAGGACTACCCAGCCTCAAAA
GTGACTTTGAATACACCCTGGGCTCCCCAAAGCCATCCACATCAAGTCAGGCGAGTCACCCATGGCCTA
CCTCAACAAAGGCCAGTTCTACCCCGTCAACCCTGCGGACCCAGCAGGTGGCAAAGGCCCTTGCTTGTCC
TCCAACAAAGTCAAGAGTGTGGTGTGCTTTCGACAATGAGAAGGTCCCAGTAGAGCAGCTGCGCT
TCTGGAAGCACTGGCATTCCCGCAACCCACTGCCAAGCAGCGGGTCAATTGACGTGGCTGACTGCAAAGA
AAACTTCAACACTGTGGAGCACATTGAGGAGGTGGCCTATAATGCACTGTCTTTGTGTGGAACGTGAAT
GAAGAGGCCAAGGTGTTTCATCGGCGTAAACTGTCTGAGCACAGACTTTTCTCACAAAAGGGGGTGAAGG
GTGTCCCCTGAACCTGCAGATTGACACCTATGACTGTGGCTTGGGCACTGAGCGCCTGGTACACCGTGC
TGCTGCCAGATCAAGATCTTCTGTGACAAGGGAGCTGAGAGGAAGATGCGCGATGACGAGCGGAAGCAG
TTCCGGAGAAGGTCAAGTGCCCTGACTCCAGCAACAGTGGCGTCAAGGGCTGCCTGCTGTCGGCTTCA
GGGGCAATGAGACGACCTACCTTCGGCCAGAGACTGACCTGGAGACGCCACCCGCTGCTGTTTCATCCCAA
TGTGCACTTCTCCAGCCTGCAGCGCTCTGGAGGGCAGCCCCCTCGGCAGGACCCAGCAGCTCCAACAGG
CTGCCTCTGAAGCGTACCTGCTCGCCCTTCACTGAGGAGTTTGTGCTCTGCCCTCCAAGCAGGCCAAGG
AAGGCGACCTTCCAGAGATTCTGCTGTATGTGCGGAGGGAGACTGAGGAGGTGTTTGACGCGCTCATGTT
GAAGACCCAGACCTGAAGGGGCTGAGGAATGCGATCTCTGAGAAGTATGGGTTCCCTGAAGAGAACATT
TACAAAGTCTACAAGAAATGCAAGCGAGGAATCTTAGTCAACATGGACAACAACATCATTACGATTACA
GCAACCACGTCGCTTCTGCTGGACATGGGGGAGCTGGACGGCAAATTCAGATCATCCTTAAGGAGCT
GTAA
    
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_021180 unedited

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TGTAATACGACTACTATAGGGCGGCCGAATTCGGCACGAGGAACACTTTCCCGGGCA
GAGAATGTCTGTGTCCAGCAAGAATTAGAGACAAGCGGTCAGCAGAGCCTCAGTGCTGAT
CGTCGGAGCTTGGGAGCAGGAAGATGTGCAATGAACTTGATTTTCAGGCTGTGCGGCTGC
TAAAGAACGACCCAGTCAACTTGCAGAAAATTCTTACACTAGTGAGGATGAGGCCTGGA
AGACGTACCTAGAAAACCCGTTGACAGCTGCCACAAAGGCCATGATGAGAGTCAATGGAG
ATGATGAGAGTGTGCGGCCTTGAGCTTCTCTATGATTACTACATGGGTCCCAAGGAGA
AGCGGATATTGCTCCAGCACTGGGGCAGGAATGACCAAGGAAAGAGGTAACCATG
GCATGGAATATGAGACGGACCTCACTCCCCTTAAAAGCCCCACACACCTCATGAAATTCC
TGACAGAGAACGTGTCTGGAACCCAGAGTACCCAGATTTGCTCAAGAAGAATAACCTGA
TGAGCTTGGAGGGGGCCTTGCCACCCCTGGCAGGCAGCTCCCCTCCCTGCAGGCCCCAG
CAAGCTGGAGGCCGGCTCTGTGGACAGCTACCTGTTACCCACCACTGATATGTATGATAA
TGCTCCCTCAACTCCTGTNTGAGAGCATTATGGGNGTGCCGNCCACACAGCGCTGGC
AGCCAGACAGCACCTTTCAAAGTACCCACAGGAGTCGATGCTCTTCCCAGAATNCTGAA
AACCTCCCGNACCCCATGTNACAGAGGACTACCCAGNCTCAAAGTGNACTTGATACACCT
GNNGCTCCAAGCCATCCATCAGTCAGCGAGTACCATGGCTACTACAAGGCAGTCTAC
CCGTACCTGC
    
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<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_021180 unedited            TTTTTCGTTACTATGNNACCGCGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTTTTT            TTGTGACGTAATACATAGATAGATTTTTTATTACTAAATACCACGTGAGTATACAAAATGC            ATCACTGAATAACAGCTAAAAAAGTCCAAGAAATGTGAAATACACATTTTTTGAATGA            TAAAAACATATCCATGAAAAATATAAAATGTTGCATATATACAGTATATTTATATATA            TATATAACAAAATGAAAATCGTAAATAAGAAATGTATAACAACAGTGAGTGGCAAGGCAGTA            GTTTTACACAGCGGTCACTTTGTTCCAGTCGATCGTTAGTGCTATTTACATCCTGCGCTG            AGGAAGTCTGAGAAAGAGACTCCAATATAGTGTCTTTTAAAAGTCATTTGCACTGAAAAT            CAAGAGTTTTCAAGTTAACTGACCAAAGTTGAGAAATCCTTTGTCTGAAAGTTGAAGGAA            GACAGAGAGTGGGGGCCGACCAGCTGGCGTGGTGTGCGGGAGGGAGCGTGTGCCGCCA            CCATCTTAACGGGCAGCCTGCAGGAGCACCCTGCAGACAAGGGTCTTGGGAGGAGGGAA            CAGTCTTCTGGGTAGGTGGTAACCATGGTGACATTGTTTTGGGGTACGGGGAGGCACTGG            CAGGAAGTTCAGGGAGCAGATTCAAGCATAACATGGGGAATCCAGGCCAGGGACCCCT            AGGTCTCTCCCTGGCCCTGACGTCTGTGGGTCTGTGACTCAAGGGCCTTCCCTCAGG            NAANGCATTCAAGTAACAGCGCTGANGCATTGGANAAGTTGGTTTNGNNNNNNNNNGGN            CCACTTCCCTGCTGGCCCTTGACAGTCTGAGGGGTTTTGGATGCTCCN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_021180
<b>Insert Size:</b>	2750 bp
<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>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>	<a href="#">NM_021180.1</a> , <a href="#">NP_067003.1</a>
<b>RefSeq Size:</b>	2710 bp
<b>RefSeq ORF:</b>	1668 bp
<b>Locus ID:</b>	57822
<b>UniProt ID:</b>	<a href="#">Q8TE85</a>
<b>Cytogenetics:</b>	1p36.11
<b>Domains:</b>	CP2

**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 (1, also known as SOM1) encodes isoform 1.