OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC318043

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

Fully Sequenced ORF:

>SC318043 representing NM_021180.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGATGAATTCCATTCTTCCTATTTTTCTTTTCAGGTCTGTGCGGCTGCTAAAGAACGACCCAGTC
AACTTGCAGAAATTCTCTTACACTAGTGAGGATGAGGCCTGGAAGACGTACCTAGAAAACCCGTTGACA
GCTGCCACAAAGGCCATGATGAGAGTCAATGGAGATGATGACAGTGTTGCGGCCTTGAGCTTCCTCTAT
GATTACTACATGGGTCCCAAGGAGAAGCGGATATTGTCCTCCAGCACTGGGGGCAGGAATGACCAAGGA
AAGAGGTACTACCATGGCATGGAATATGAGACGGACCTCACTCCCCTTGAAAGCCCCACACACCTCATG
AAATTCCTGACAGAGAACGTGTCTGGAACCCCAGAGTACCCAGATTTGCTCAAGAAGAATAACCTGATG
AGCTTGGAGGGGGCCTTGCCCACCCCTGGCAAGGCAGCTCCCCTCCCTGCAGGCCCCAGCAAGCTGGAG
GCCGGCTCTGTGGACAGCTACCTGTTACCCACCACTGATATGTATGATAATGGCTCCCTCAACTCCTTG
TTTGAGAGCATTCATGGGGTGCCGCCCACACAGCGCTGGCAGCCAGACAGCACCTTCAAAGATGACCCA
CAGGAGTCGATGCTCTTCCCAGATATCCTGAAAACCTCCCCGGAACCCCCATGTCCAGAGGACTACCCC
AGCCTCAAAAGTGACTTTGAATACACCCTGGGCTCCCCCAAAGCCATCCACATCAAGTCAGGCGAGTCA
CCCATGGCCTACCTCAACAAAGGCCAGTTCTACCCCGTCACCCTGCGGACCCCAGCAGGTGGCAAAGGC
CTTGCCTTGTCCTCCAACAAAGTCAAGAGTGTGGTGATGGTTGTCTTCGACAATGAGAAGGTCCCAGTA
GAGCAGCTGCGCTTCTGGAAGCACTGGCATTCCCGGCAACCCACTGCCAAGCAGCGGGTCATTGACGTG
GCTGACTGCAAAGAAAACTTCAACACTGTGGAGCACATTGAGGAGGTGGCCTATAATGCACTGTCCTTT
GTGTGGAACGTGAATGAAGAGGCCAAGGTGTTCATCGGCGTAAACTGTCTGAGCACAGACTTTTCCTCA
CAAAAGGGGGTGAAGGGTGTCCCCCTGAACCTGCAGATTGACACCTATGACTGTGGCTTGGGCACTGAG
CGCCTGGTACACCGTGCTGTCTGCCAGATCAAGATCTTCTGTGACAAGGGAGCTGAGAGGAAGATGCGC
GATGACGAGCGGAAGCAGTTCCGGAGGAAGGTCAAGTGCCCTGACTCCAGCAACAGTGGCGTCAAGGGC
TGCCTGCTGTCGGGCTTCAGGGGCAATGAGACGACCTACCTTCGGCCAGAGACTGACCTGGAGACGCCA
CCCGTGCTGTTCATCCCCAATGTGCACTTCTCCAGCCTGCAGCGCTCTGGAGGGGCAGCCCCCTCGGCA
GGACCCAGCAGCTCCAACAGGCTGCCTCTGAAGCGTACCTGCTCGCCCTTCACTGAGGAGTTTGAGCCT
CTGCCCTCCAAGCAGGCCAAGGAAGGCGACCTTCAGAGAGTTCTGCTGTATGTGCGGAGGGAGACTGAG
GAGGTGTTTGACGCGCTCATGTTGAAGACCCCAGACCTGAAGGGGCTGAGGAATGCGATCTCTGAGAAG
TATGGGTTCCCTGAAGAGAACATTTACAAAGTCTACAAGAAATGCAAGCGAGGAATCTTAGTCAACATG
GACAACAACATCATTCAGCATTACAGCAACCACGTCGCCTTCCTGCTGGACATGGGGGAGCTGGACGGC
AAAATTCAGATCATCCTTAAGGAGCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_021180

Insert Size: 1824 bp

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_021180.3
RefSeq Size:	2710 bp
RefSeq ORF:	1824 bp
Locus ID:	57822
UniProt ID:	Q8TE85
Cytogenetics:	1p36.11
Domains:	CP2
MW:	68.4 kDa
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.