

Product datasheet for **RC230850**

GRHL3 (NM_001195010) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRHL3 (NM_001195010) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GRHL3
Synonyms:	SOM; TFCP2L4; VWS2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC230850 representing NM_001195010
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAGAGTCAATGGAGATGATGACAGTGTTCGGCCTTGAGCTTCTCTATGATTACTACATGGGTC
 CCAAGGAGAAGCGGATATTGTCCTCCAGCACTGGGGCAGGAATGACCAAGGAAAAGGACTACCATGG
 CATGGAATATGAGACGGACCTCACTCCCCTGAAAGCCCCACACACCTCATGAAATTCCTGACAGAGAAC
 GTGTCTGGAACCCAGAGTACCCAGATTTGCTCAAGAAGAATAACCTGATGAGCTTGAGGGGGCCTTGC
 CCACCCCTGGCAAGGCAGCTCCCCTCCCTGCAGGCCCCAGCAAGCTGGAGGCCGGCTCTGTGGACAGCTA
 CCTGTTACCCACCACTGATATGTATGATAATGGCTCCCTCAACTCCTTGTGGAGAGCATTATGGGGTG
 CCGCCACACAGCGCTGGCAGCCAGACAGCACCTTCAAAGATGACCCACAGGAGTCGATGCTTCCCGAG
 ATATCCTGAAAACCTCCCGGAACCCCATGTCCAGAGGACTACCCAGCCTCAAAAGTGACTTTGAATA
 CACCCTGGGCTCCCCAAAGCCATCCACATCAAGTCAGGCGAGTCACCCATGGCCTACCTCAACAAAGGC
 CAGTTCTACCCCGTCACCTGCGGACCCAGCAGGTGGCAAAGGCCTTGCCTTGTCTCCAACAAAGTCA
 AGAGTGTGGTGATGGTTGTCTTCGACAATGAGAAGGTCCCAGTAGAGCAGCTGCGCTTCTGGAAGCACTG
 GCATTCGCGCAACCCACTGCCAAGCAGCGGTGATTGACGTGGCTGACTGCAAAGAAAACCTTCAACACT
 GTGGAGCACATTGAGGAGGTGGCCTATAATGCACTGTCTTTGTGTGGAACGTGAATGAAGAGGCCAAGG
 TGTTTCATCGGCGTAAACTGTCTGAGCACAGACTTTTCTCACAAAAGGGGTGAAGGGTGTCCCCCTGAA
 CCTGCAGATTGACACCTATGACTGTGGCTTGGCACTGAGCGCCTGGTACACCGTGTCTGTCCAGATC
 AAGATCTTCTGTGACAAGGGAGCTGAGAGGAAGATGCGCGATGACGAGCGGAAGCAGTCCGGAGGAAGG
 TCAAGTGCCCTGACTCCAGCAACAGTGGCGTCAAGGGCTGCCTGCTGTGCGGCTTCAGGGCAATGAGAC
 GACCTACCTTCGCGCCAGAGACTGACCTGGAGACGCCACCCGTGCTGTTTCATCCCCAATGTGCACTTCTCC
 AGCCTGCAGCGCTCTGGAGGGGAGCCCTCGGCAGGACCCAGCAGCTCCAACAGGCTGCCTCTGAAGC
 GTACCTGCTCGCCCTCACTGAGGAGTTTGGCCTCTGCCCTCCAAGCAGGCCAAGGAAGGCGACCTTCA
 GAGAGTTCTGCTGTATGTGCGGAGGAGACTGAGGAGGTGTTGACGCGCTCATGTTGAAGACCCAGAC
 CTGAAGGGGCTGAGGAATGCGATCTCTGAGAAGTATGGTTCCCTGAAGAGAACATTTACAAAGTCTACA
 AGAAATGCAAGCGAGGAATCTTAGTCAACATGGACAACAACATCATTAGCATTACAGCAACCACGTCGC
 CTTCTGCTGGACATGGGGGAGCTGGACGGCAAATTCAGATCATCTTAAGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230850 representing NM_001195010
 Red=Cloning site Green=Tags(s)

MMRVNGDDDSVAALSFLYDYVMGPKEKRILSSSTGGRNDQGKRYHYHMEYETDLTPLESPTLHMKFLTEN
 VSGTPEYPDLLKKNLMSLEGALPTPGKAAPLPAGPSKLEAGSVDSYLLPTTDMYDNGSLNSLFESIHG
 PPTQRWQPDSTFKDDPQESMLFPDILKTSPEPPCPEDYPSLKSDFEYTLGSPKAIHIKSGESPMAYLNKG
 QFYPVTLRTPAGGKGLALSSNKVKSVMVVFNEKVPVEQLRFWKHWSRQPTAKQRVIDVADCKENFNT
 VEHIIEVAYNALSFVWVNEEAKVFIGVNLSTDFSSQKGVKGVPLNLQIDTYDCGLGTERLVHRAVCQI
 KIFCDKGAERKMRDDERKQFRKVKCPDSSNSGVKGCLLSGFRGNETTYLRPETDLETAPPVLFIPNVHFS
 SLQRSGGAAPSAGPSSSNRLPLKRTCSPFTEFEPLPSKQAKEGDLQRVLLYVRRETEEVFDALMLKTPD
 LKGLRNAISEKYGFPEENIYKVYKCKRGILVNMDNIIQHYSNHVAFLLDMGELDGIQIILKEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001195010
ORF Size:	1668 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:	<ol style="list-style-type: none">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_001195010.2
RefSeq Size:	2814 bp
RefSeq ORF:	1671 bp
Locus ID:	57822
UniProt ID:	Q8TE85
Cytogenetics:	1p36.11
MW:	62.4 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]