

Product datasheet for **RC213118**

GRHL3 (NM_198173) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRHL3 (NM_198173) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GRHL3
Synonyms:	SOM; TFCP2L4; VWS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC213118 representing NM_198173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGAATGAACCTTATTTCAGGTCTGTGCGGCTGCTAAAGAACGACCCAGTCAACTTGCAGAAATTTCT
 CTTACACTAGTGAGGATGAGGCCTGGAAGACGTACCTAGAAAACCGTTGACAGCTGCCACAAAGGCCAT
 GATGAGAGTCAATGGAGATGATGACAGTGTGCGGCCTTGAGCTTCTCTATGATTACTACATGGGTCCC
 AAGGAGAAGCGGATATTGTCTCCAGCACTGGGGCAGGAATGACCAAGGAAAGAGGTACTACCATGGCA
 TGGAAATAGAGACGGACCTCACTCCCCTTGAAGCCCCACACACCTCATGAAATTCCTGACAGAGAAGCT
 GTCTGGAACCCAGAGTACCCAGATTTGCTCAAGAAGAATAACCTGATGAGCTTGAGGGGGCCTTGCCC
 ACCCTGGCAAGGCAGCTCCCCTCCCTGCAGGCCCCAGCAAGCTGGAGGCCGGCTCTGTGGACAGCTACC
 TGTTACCCACCACTGATATGTATGATAATGGCTCCCTCAACTCCTGTTTGGAGAGCATTATGGGGTCC
 GCCCACACAGCGCTGGCAGCCAGACAGCACCTTCAAAGATGACCCACAGGAGTCGATGCTTCCCAGAT
 ATCCTGAAAACCTCCCCGGAACCCCATGTCCAGAGGACTACCCAGCCTCAAAGTGAATTTGAATACA
 CCCTGGGCTCCCCAAAGCCATCCACATCAAGTCAAGGCGAGTACCCATGGCCTACCTCAACAAAGGCCA
 GTTCTACCCCGTACCCTGCGGACCCAGCAGGTGGCAAAGGCCTTGCCTTGTCTCCAACAAAGTCAAG
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 GGAGCACATTGAGGAGGTGGCCTATAATGCACTGTCTTTGTGTGGAACGTGAATGAAGAGGCCAAGGTG
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 GAAGGGGCTGAGGAATGCGATCTCTGAGAAGTATGGGTTCCCTGAAGAGAACATTTACAAGTCTACAAG
 AAATGCAAGCAGGAATCTTAGTCAACATGGACAACAACATCATTACGATTACAGCAACCAGCTCGCT
 TCCTGCTGGACATGGGGGAGCTGGACGGCAAAATTCAGATCATCCTTAAGGAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213118 representing NM_198173
 Red=Cloning site Green=Tags(s)

MSNELDFRSVRLKNDPVNLQKFSYTSSEDAWKTYLENPLTAATKAMMRVNGDDDSVAALSFLYDYVMGP
 KEKRIILSSSTGGRNDQKRYHGMETDLTPLESPTLHMKFLTENVSGTPEYDPLLKNNLMSLEGALP
 TPGKAAPLPAGPSKLEAGSVDSYLLPTTDMYDNGSLNSLFESIHGVPPTQRWQPDSTFKDDPQESMLFPD
 ILKTSPEPPCPEDYPSLKSDFEYTLGSPKAIHIKSGESPMAYLNKGQFYVTLRTPAGGKGLALSSNKVK
 SVVMVFDNEKVPVEQLRFWKHWSRQPTAKQRVIDVADCKENFNTVEHIEEVAYNALSFVWNVNEAKV
 FIGVNCLESTDFSSQKGVKGVPLNLQIDTYDCGLGTERLVHRAVCQIKIFCDKGAERKMRDDEKQFRKRV
 KCPDSSNSGVKGLL SGFRGNETTYLRPETDLETPPVLFIPNVHFSLQSSGGAAPSAGPSSSNRLPLKR
 TCSPFTEFEPLPSKQAKEGDLQRVLLYRRETEEVFDALMLKTPDLKGLRNAISEKYGFPEENIYKVYK
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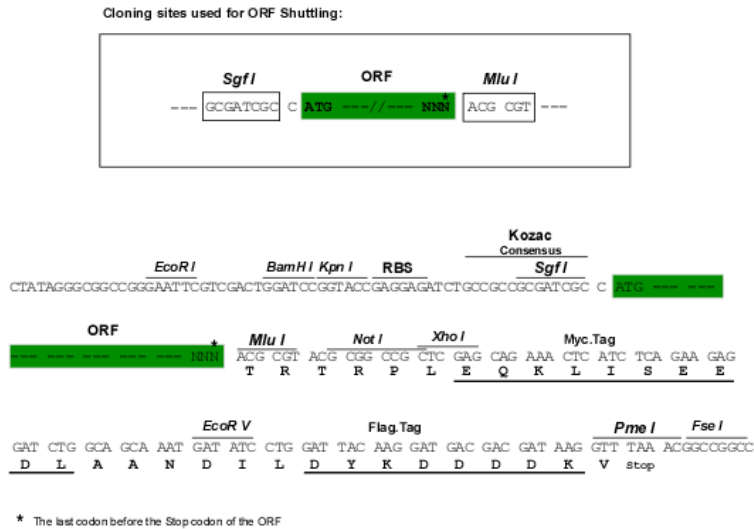
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8069_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198173

ORF Size: 1806 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:

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_198173.3](#)

RefSeq Size: 2815 bp

RefSeq ORF: 1809 bp

Locus ID: 57822

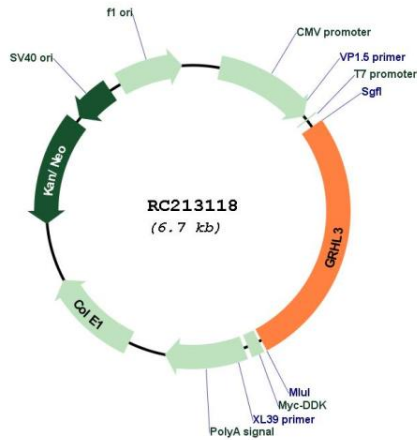
UniProt ID: [Q8TE85](#)

Cytogenetics: 1p36.11

MW: 67.5 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]

Product images:



Circular map for RC213118