

Product datasheet for **RC200886**

Vgl4 (VGLL4) (NM_014667) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vgl4 (VGLL4) (NM_014667) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vgl4
Synonyms:	VGL-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200886 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACGCCATTGGATGTTTTGTCCAGGGCAGCATCTCTGGTGCATGCTGATGACGAAAAACGCGAAG
CTGCTCTCAGGGGAGAACCAGAATGCAGACCCTGCCGGTGGCCTCTGCCCTCAGCAGTCACCGCACCGG
CCCTCCCCAATCAGCCCAGCAAGAGGAAGTTCAGCATGGAGCCAGGTGACGAGGACCTAGACTGTGAC
AACGACCAGTCTCCAAAATGAGTCGCATCTTCAACCCCATCTGAACAAGACTGCCAATGGAGACTGCC
GCAGAGACCCCCGGGAGCGGAGCCGAGCCCATCGAGCGCGCTGTGGCCCCACCATGAGCCTGCACGG
CAGCCACCTGTACACCTCCCTCCCCAGCCTTGGCCTGGAGCAGCCCTCGCACTGACCAAGAACAGCCTG
GACGCCAGCAGGCCAGCCGGCCTCTCGCCCACTGACCCCGGGGGAGCGGCAGCAGAACCAGCCCTCCG
TGATCACCTGTGCCTCGGCTGGCGCCGCAACTGCAACCTCTCGCACTGCCCATCGCGCACAGCGGCTG
TGCCGCGCCCGGGCCTGCCAGCTACCGGAGGCCACCGAGCGCTGCCACCACCTGTGACCCCGTGGTGGAG
GAGCATTTCCGCAGGAGCCTGGGCAAGAATTACAAGGAGCCCGAGCCGGCACCCAACCTCCGTGTCCATCA
CGGGCTCCGTGGACGACCACTTTGCCAAAGCTCTGGGTGACACGTGGCTCCAGATCAAAGCGGCCAAGGA
CGGAGCATCCAGCAGCCCTGAGTCCGCCTCTCGCAGGGGCCAGCCCGCCAGCCCCCTGCCACATGGTC
AGCCACAGTCACTCCCCCTCTGTGGTCTCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC200886 protein sequence
Red=Cloning site Green=Tags(s)

METPLDVL SRAASLVHADDEKREAAALRGEPRMQTL PVASALSSHRTGPPPI SPSKRKFSMEPGDEDLDCD
 NDHYSKMSRI FNPHLNKTANGDCRRDPRERSRSP IERAVPTMSLHGSHLYTSLPSL GLEQLALTKNSL
 DASRPAGLSPTLTPGERQQNRPSVITCASAGARNCNLSHCPIAHS GCAAPGPASYRRPPSAATTCDPVVE
 EHFRRSLGKNYKEPEPAPNSV SITGSVDDHFAKALGDTWLQ IKAADGASSSPESASRRQPASPSAHMV
 SHSHSPSVVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6417_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014667

ORF Size: 870 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_014667.1](#), [NP_055482.1](#)

RefSeq Size: 3756 bp

RefSeq ORF: 873 bp

Locus ID: 9686

UniProt ID: [Q14135](#)

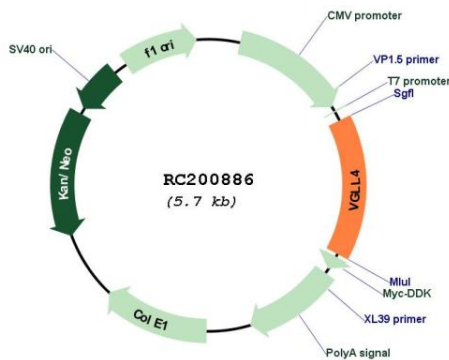
Cytogenetics: 3p25.3-p25.2

Protein Families: Transcription Factors

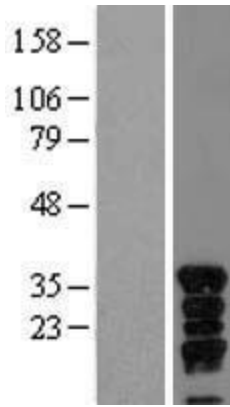
MW: 30.9 kDa

Gene Summary: May act as a specific coactivator for the mammalian TEFs.[UniProtKB/Swiss-Prot Function]

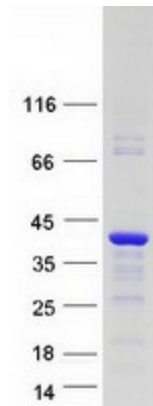
Product images:



Circular map for RC200886



Western blot validation of overexpression lysate (Cat# [LY415121]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200886 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VGLL4 protein (Cat# [TP300886]). The protein was produced from HEK293T cells transfected with VGLL4 cDNA clone (Cat# RC200886) using MegaTran 2.0 (Cat# [TT210002]).