

Product datasheet for **RC225405**

Vgl4 (VGLL4) (NM_001128219) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vgl4 (VGLL4) (NM_001128219) 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:	>RC225405 representing NM_001128219 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTATTTATGAAGATGGACCTGTTGAACTATCAGTACTTGGACAAGATGAACAACAATATCGGCATTC
TGTGCTACGAAGGCGAAGCTGCTCTCAGGGGAGAACCCAGAATGCAGACCCTGCCGGTGGCTCTGCCCT
CAGCAGTCACCGCACCGGCCCTCCCCAATCAGCCCCAGCAAGAGGAAGTTCAGCATGGAGCCAGGTGAC
GAGGACCTAGACTGTGACAACGACCACGTCTCCAAAATGAGTCGCATCTCAACCCCATCTGAACAAGA
CTGCCAATGGAGACTGCCGAGAGACCCCCGGGAGCGGAGCCGACGCCCATCGAGCGCGCTGTGGCCCC
CACCATGAGCCTGCACGGCAGCCACCTGTACACCTCCCTCCCCAGCCTTGGCCTGGAGCAGCCCCCTCGCA
CTGACCAAGAACAGCCTGGACGCCAGCAGGCCAGCCGGCCTCTCGCCCACTGACCCCGGGGGAGCGGC
AGCAGAACCGGCCCTCCGTGATCACCTGTGCCTCGGCTGGCGCCCGCAACTGCAACCTCTCGCACTGCC
CATCGCGCACAGCGGCTGTGCCGCGCCCGGCCTGCCAGTACCGGAGGCCACCGAGCGCTGCCACCACC
TGTGACCCCGTGGTGGAGGAGCATTTCCGAGGAGCCTGGGAAGAATTACAAGGAGCCCGAGCCGGCAC
CCAACCTCCGTGTCATCACGGGCTCCGTGGACGACCACTTTGCCAAAGCTCTGGTGACACGTGGCTCCA
GATCAAAGCGGCCAAGGACGGAGCATCCAGCAGCCCTGAGTCCGCTCTCGCAGGGGCCAGCCCGCCAGC
CCCTCTGCCACATGGTCAGCCACAGTCACTCCCCCTCTGTGGTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225405 representing NM_001128219
Red=Cloning site Green=Tags(s)

MLFMKMDLLNYQYLDKMNNNIGILCYEGEAALRGEPRMQTLPVASALSSHRTGPPPIPSKRKFSMEPGD
 EDLDCDNDHVSMSRIFNPHLNKTANGDCRRDPRERSRSPIERAVAPMTSLHGSHLYTSLPSLGLEQPLA
 LTKNSLDASRPAGLSPTLTPGERQQRPSVITCASAGARNCNLSHCPIAHSGCAAPGPASYRRPPSAATT
 CDPVVEEHFRRSLGKNYKEPEPAPNSVSIITGSVDDHFAKALGDTWLQIKAADKGASSSPESASRRGQPAS
 PSAHVMVSHSHSPSVVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3815_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001128219

ORF Size: 888 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_001128219.3](#)

RefSeq ORF: 891 bp

Locus ID: 9686

UniProt ID: [Q14135](#)

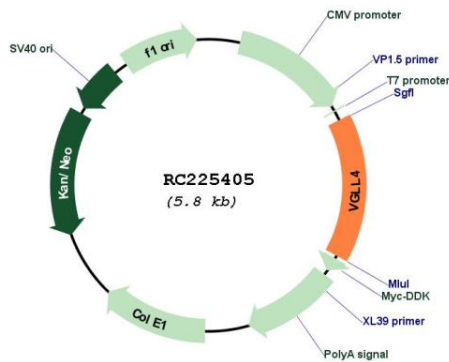
Cytogenetics: 3p25.3-p25.2

Protein Families: Transcription Factors

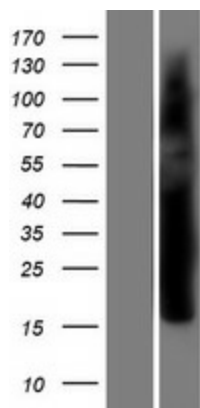
MW: 31.7 kDa

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

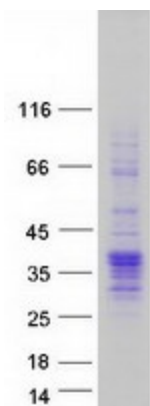
Product images:



Circular map for RC225405



Western blot validation of overexpression lysate (Cat# [LY426931]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225405 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VGLL4 protein (Cat# [TP325405]). The protein was produced from HEK293T cells transfected with VGLL4 cDNA clone (Cat# RC225405) using MegaTran 2.0 (Cat# [TT210002]).