

Product datasheet for RC218896

VGLL3 (NM_016206) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: VGLL3 (NM_016206) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: VGLL3
Synonyms: VGL-3; VGL3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC218896 representing NM_016206
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTTGTGCGGAGGTGATGTATCACCCACAGCCTTATGGAGCGTCCCAGTATCTGCCAACCCCATGG
 CAGCGACAACCTGCCACAGCCTACTATCAGCCGGCGCCCAACCTGGCCAGCAGAAGAAGTTAGCGGT
 ATTCAGCAAGATGCAGGACTCTCTGGAAGTCACCCTTCCAGCAAACAAGAGGAGGAGGATGAGGAGGAG
 GAGGAGGAGGAGAAAGACCAGCCTGCCGAGATGGAGTACCTTAACTCTCGCTGTGTCTTTTCACTTATT
 TCCAGGGAGACATTGGGTCAGTAGTGGATGAACACTTCTCAAGAGCTTTGGGCCAAGCCATCACCCCTCCA
 TCCAGAATCTGCCATTTCAAAAAGCAAGATGGGGCTAACCCCTATGGCGAGACAGCTCAGCTCTCTCA
 AGCCAGCGGAATAGTTTCCCAACTTCTTTTGGACCAGCTTTACCAGCCCCACCTGCACCTTGTTTGG
 GGGGAGTTCATCCTGACTTCCAGGTCACTGGACCCCTGGCACCTTTTCTGCAGCTGATCCCAGTCTTG
 GCCGGGACACAACCTGCATCAGACTGGCCAGCCCTCCCTGCTGTGTCTGAGTCTGGCCTTATCCT
 TTGACATCTCAGGTGAGCCATCCTACAGCCATATGCATGACGTGTACATGCGGCACCACCCTCATG
 CCCACATGCACCACCGCCACCGCCACCATCATCACCATCACCACCCTCTGCTGGCTCTGCCCTGGATCC
 ATCCTATGGGCCCTCTGCTGATGCCTTCACTGATGCGGCCAGGATTCTGCTCCCAGTGTGACATCACA
 AAGACAGAACCAACTACAGTCACCTCTGCTACCTCAGCATGGGCTGGAGCCTTTTCATGGAACAGTAGACA
 TAGTGCCACGCGTGGGATTTCGATACAGGTCTACAGCATCAAGACAAGAGTAAGGAATCACCGTGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC218896 representing NM_016206
Red=Cloning site Green=Tags(s)

MSCAEVMYHPQPYGASQYLPNMAATTCPTAYYQPAPQPGQQKLA VFSKMQDSLEVTLP SKQEEDEEE
 EEEKQPAEMEYLNRCVLFYFQGDIGSVVDEHFSRALGQAITLHPESAISKSMGLTPLWRDSSALS
 SQRNSFPTSFWTSYQPPPAPCLGGVHPDFQVTGPPGTF SAADSPWPVGHNLHQTPAPPVSESWPY
 LTSQVSPSYSHMHDVYMRHHHPAHMHHRHHHHHHHPAGSALDPSYGPLLMPVHAARIPAPQCDIT
 KTEPTTTSATSAWAGAFHGTVDIVPSVGFDTGLQHDKSKESPWY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8116_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016206

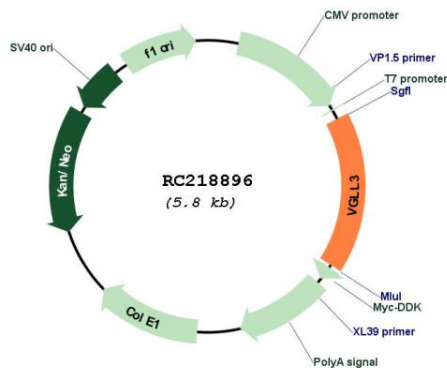
ORF Size: 978 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

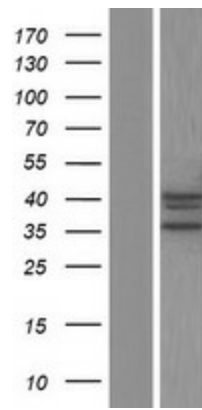
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_016206.4](#)
- RefSeq Size:** 10396 bp
- RefSeq ORF:** 981 bp
- Locus ID:** 389136
- UniProt ID:** [A8MV65](#)
- Cytogenetics:** 3p12.1
- Protein Families:** Transcription Factors
- MW:** 36 kDa
- Gene Summary:** May act as a specific coactivator for the mammalian TEFs.[UniProtKB/Swiss-Prot Function]

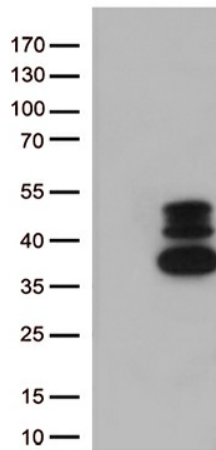
Product images:



Circular map for RC218896



Western blot validation of overexpression lysate (Cat# [LY414120]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218896 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY VGLL3 (Cat# RC218896, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VGLL3 (Cat# [TA812791])(1:500).