

Product datasheet for MR217588

Vgll3 (NM_028572) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vgll3 (NM_028572) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vgll3
Synonyms: 1700110N18Rik; 4832416J22; C80713; Vgl-3; Vito-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR217588 representing NM_028572
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTTGTGCGGAGGTGATGTATCACCCCAGCCGTATGGAGCGCCCCAGTATCTGCCAACCCCTGTGG
 CAGCTGCAACCTGCCCTACAGCTGCTATCATCCGGCTCCCCAACCTGGCCAGCAGAAGTTAGCGGTATA
 CAGCAAGATGCAGGACTCTCTGGAAGTCACGCTTCCCAGCAAACAAGAGGAGGAGGAGGAGGAGGAGGAG
 GATGAGGAGGAGGAGGAGAAAGACCAGCCTGCCGAGATGGAGTACCTTAACTCTCGCTGTGTCTTTTCA
 CTTATTTCCAGGGAGACATTGGGTCAAGTGGATGAACACTTCTCAAGAGCTTTGGGCCAAGCCAACAC
 CTTGCATCCCGAATCTGCCATTTCAAAAAGCAAGATGGGGCTAACCCCTATGGCGAGACAGCTCAGCT
 CTTTCGAGCCAGCGGAGTAATTTTCCAACCTCCTTTTGGACCAGCTTTACCAACCCCAACCCGCGCCTT
 GTTTGGGGGAGTTTATCCTGACTTCCAAGTCACTGCACCCACGGCACCTTTACTACAGCAGATCCCAA
 CTCTTGGCCAGGACATGGCCTGCATCAGACTGGCCCCGCCCCACCCCACTGCGTCTGAGTCTTGGCAC
 TATCCTCTGGCATCTCAGGTGAGCCGCTCCTACAGCCACATGCATGACATGTACCTGCGCCATCATCACC
 CTCACGCTCACGTGCACCATCGCCACCACCACCACCACCACTGCTGGCTCTGCTTGGATCCCGC
 CTATGGCCACCTGCTAATGCCATCAGTGCAGCTGCCAGGATTCCTGCTCCCCAGTGCACATCACCAAG
 ACAGATCTGACTACAGTACCACGGCTACCTCAGCATGGGCCGGAGCCTTTCATGGGACAGTGGACATCG
 TGCCAAGTGTGGCTTCGATACAGGCTTCAGCATCAGGACAAGACAAAGAATCAACTTGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217588 representing NM_028572
 Red=Cloning site Green=Tags(s)

MSCAEVMYHPQPYGAPQYL PNPVAAATCPTACYHPAPQPQQKLAVYSKMQDSLEVTLP SKQEEEEEEEE
 DEEEEEKDQPAEMEYLN SRCVLF TTYFQGDIGSVVDEHFSRALGQANTLHPESAISKSKMGLTPLWRDSSA
 LSSQRSNFPTSFWTSSYQPPAPCLGGVHPDFQVTAPHGTF TADPN SWPGHGLHQTGPAPPPTASESWH
 YPLASQVSPSYSHMHDMYLRHHHPAHVHRRHHHHHPTAGSALDPAYGHLLMPSVRAARIPAPQCDITK
 TDLTTVT TATSAWAGAFHGTVDIVPSVGFDTGLQH QDKSKESTWY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2345_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_028572

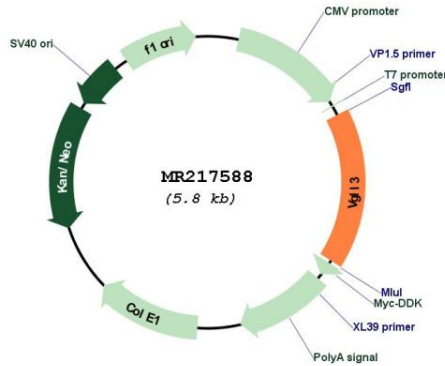
ORF Size: 975 bp

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_028572.2](#)
- RefSeq Size:** 3331 bp
- RefSeq ORF:** 978 bp
- Locus ID:** 73569
- Cytogenetics:** 16 C1.3
- MW:** 36.3 kDa
- Gene Summary:** May act as a specific coactivator for the mammalian TEFs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217588