

Product datasheet for **RR204859**

Vsig1 (NM_001037784) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vsig1 (NM_001037784) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vsig1
Synonyms: MGC114516
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR204859 representing NM_001037784
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGTGTGGCATTGGGAAGGTCTTTCTGATCTTAACTGCCTTGCAGGTCAGGTCAATATGGTGC
 AAGTGACCATCCCAGACACTTTTGTGAATGTGACTGTTGGATCTAATGTTACTCTTCTGCCTGTATAC
 CACCCTGTGACATCCCTGGAAAAGCTTTCAATCCAATGGTCTTTCTCCACAATAAGGAAATGGAGCCA
 ATATCCATCTACTACTCTGAAGGTGGACAGGCTTCAGCTATTGGGCAATCAAGGATCGAATAATAGGGG
 CTACTAATCCTGGTAATGCATCTATCACCATATTGCATATGCAGCCAGCAGACAGTGGAAATTTACATATG
 TGATGTCAACAATCCTCCAGATTTTTTTGGAAAAACCAAGGCATCCTTGACGTCAGTCTTAGTCAAA
 CCTTCCAAGCCCTTTTGTCCATCCAAGGAAGACCAGAAGCAGGCCACCCCTATTTCTTGTCTTGCCTTT
 CTGCCTTTGGAACACCATCTCCTGTGTATTACTGGTATAAGATTGAGGGGAACACCATTTGTGCCAGTAAA
 AGAAAGCTTCAACTCAGCCACTGGAGTTTTGGATATTGGAATCTAACAAATTTGAAAAAGTTATTAC
 CAGTGTACTGCCATCAACAGTCTTGGAATAGTTCCTGTGAAATGATTTAACCTCTTCCAGATCCAGAAG
 TCGGAATCATCATTGGAGCCTTGGTCCGGTGCCTGACTGGAGTGTCTATCATCTGTGTCTGTACTT
 TGCCAGGAACAAAGTTAAATCCAAGCAAAAGAATTTAAATCCAGCACAGAGCTTGAGCCAATGACAAAA
 GTACACCATCCCGACAAAATGAGGCTATTCCAGCGGGTGGCATCCAGCTAGAAGGAATCTGCCATCTT
 CCATCCATGCCAGCCACAACACTGAACCTACCACTGCAGTCTTGAGCCAGAATATGAGCCTAATCCCCC
 GCTGGAAACTGCCACACAGCCTGACCCTGAACAGAGGGTTCCAGGCCGATGCCAGTGCCTGAGACGGAG
 ATTCAACTGCAGCCAGAGATGGAGCTGGAACCGGAGACAGAGCCTGAGCCTGAGCCTGAGCCTGAGCCTC
 AACCTGAGCTTGAGTCAGAGCTTGAGCCCGACCCCACTGGAGTAATAGTTGAGCCTATGCGTGAGGA
 GAAAAAGGAAACAGTTAAGGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR204859 representing NM_001037784
 Red=Cloning site Green=Tags(s)

MMVFAFWKVFLLNCLAGQVNMVQVTIPDTFVNVTVGSNVTLLCLYTTTTSLEKLSIQWFFHNKEMEP
 ISIIYYSEGGQASAIQFKDRIIGATNPGNASITILHMQPADSGIYICDVNPPDFFGKNQGILDVTVLVK
 PSKPFCSIQGRPEAGHPISLSCLSAFGTSPVYYWYKIEGNTIVPVKESFNATGVLDDIGNLTNFEKGY
 QCTAINSLGNSSCEIDL TSSDPEVGI IIGALVGALTGAIIICVYVFARNKVKSKQKNLNSSTELEPMTK
 VHHSRQNEAIPAGGIQLEGLTPSSIHASHNTEPTTAVLEPEYEPNPPLETATQPDPEEGSGMPVPETE
 IQLQPEMELEPETEPEPEPEPEPEPELESELEPDPQSGVIVEPMREEEKETVKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001037784

ORF Size: 1212 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_001037784.1](#), [NP_001032873.1](#)

RefSeq Size: 1562 bp

RefSeq ORF: 1215 bp

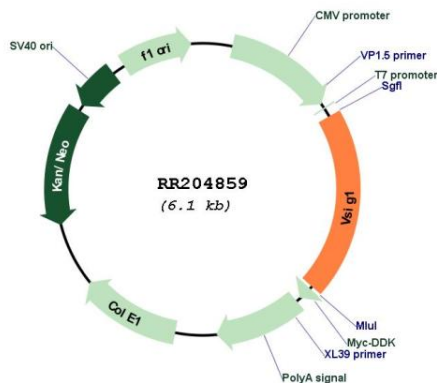
Locus ID: 315920

UniProt ID: [Q4KLY3](#)

Cytogenetics: Xq33

MW: 43.9 kDa

Product images:



Circular map for RR204859