

Product datasheet for **RR209445**

Vsig8 (NM_001105972) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Vsig8 (NM_001105972) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Vsig8 |
| Synonyms: | RGD1562464 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RR209445 representing NM_001105972 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGTTCGAGGAGCGTTCCATCTACTGCTCGTGTGCCTGAGCCAGCATTGTTGTCTGCTGTAAGGA
TCAATGGGGATGGCCAGGAGGTCTGTTCTGCGCAGAAGGTGACAATGTGAGGCTAGGCTGTCCCTACAT
CCTGGATCCTGAAGATTATGGTCCCAATGGTCTGGATATTGAGTGGATGCAAGTTAACTCAGAACCCTCG
CATAGGGAGAATGTGTTTCTTACTTATCAAGACAAGCGGATCAGTCACGGCAACCTCCCTCATCTGCAGC
AGAGGGTCCGCTTCGCAGCCTCAGACCCAGCCAGTACGATGCCATCAACCTCATGAACCTGCAGGT
GTCTGACACAGCAACCTATGAGTGTCCGGTGAAGAAGACCACCATGGCCACCAGGAAGGTGCTGGTCACT
GTCCAAGCACGTCTGCCGTACCCATGTGTTGGACTGAAGGCCACATGTCAAAGGGCAACGATGTGGTGC
TGAAGTGCTTTGCCAACGGAGGCTCTCAGCCCCTCTCTACAAGTGGGCCAAGATCAGTGGGCACAGCCA
CCCCTACCGAGCTGGGTCTACCACTCACAGCACAGCTTCCACTCTGAGCTTTCTTACCAAGAGTCGTTT
CACAGCTCCATCAACCAAGGCCTGAGCAACGGAGACCTGGTGTGAAGGGCGTCAACGGGACGACGATG
GGCTGTATCAGTGCACAGTGGCCAACCATGTGGGTACAGCGTCTGCGTGGTAGAGGTGAAAGTCTCAGA
CTCCCAGCGTGTAGGCATGATCGTCCGCGCAGTGTGGCTCTTTGCTCATGCTAGCCTGCCTGGCAGTA
GGCATCTGGGGGCTCATCTGCTGCTGCGGAGGCGCCGGGGCGGTGGTCCCGAGGTGCCTTCGGT
ACGGGGTCCGCGCGGGTCCGGCGAGGGCCTGCGGCGACTTGGCTAGTGAGATCAGAGTGGACGCGCA
GGCGCCCGGTGCAAGGCCAGCGGGCGCGCAGCCGCTCACCCACCTCTGGGGTACCCGACGCAAGC
GTCAGCCGCTCCCTGCGCCGAAGTACGCGCCTCCGCCCTGCGCGGCCCGAGGACGTGGCCCTAGTGC
CCCGCACCACTCTGCCGCTGCGAAGCGGGTCCCTCCCGGTCTACATCAAGGTCAAGAGCGCGGAGCC
GGCCGACTGCGCCGACTGTGCCAGGTCGAGCAGCGCTCGTGCAAGGACGGCCTCTTAGTG

ACGGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209445 representing NM_001105972
 Red=Cloning site Green=Tags(s)

MGVRGAFHLLL VCLSPALL SAVRINGDGGQEVFLAEGDNVRLGCPYILDPEYGPNGLDIEWMQVNSEPS
 HRENVFLTYQDKRISHGNLPHLQQRVRF AADSPSQYDASINLMNLQVSDTATYECRVKKT MATRKVVVT
 VQARPAVPMCWTEGHMSKGNDDVVKCFANGGSQPLSYKWAKISGHSHPYRAGSYHSQHSFHSLSYQESF
 HSSINQGLSNGDLV LKGVNADDDGLYQCTVANHVGVSYCVVEVKVSDSQRVGMIVGAVLGSLLMLACLAV
 GIWGLICCCCGGAGAGGARGAFYGVGGVGGGACGDLASEIRVDAEAPGCKASGRGSRVTHLLGYPTQN
 VSRSLRRKYAPPPCGPEDVALVPRTTSAACEAGSPVYIKVKS AEPADCADCAQVEQRSCKDGLLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001105972

ORF Size: 1251 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_001105972.1](#), [NP_001099442.1](#)

RefSeq Size: 1812 bp

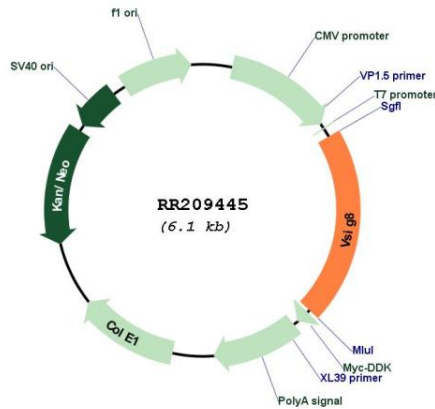
RefSeq ORF: 1254 bp

Locus ID: 289236

Cytogenetics: 13q24

MW: 44.2 kDa

Product images:



Circular map for RR209445