

Product datasheet for **RG212118**

VSIG8 (NM_001013661) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSIG8 (NM_001013661) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VSIG8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212118 representing NM_001013661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGTTGGAGGAGCATTCCACCTTCTACTCGTGTGCCTGAGCCCAGCACTGCTGTCTGCTGTGCGGA
TCAACGGGGATGGACAGGAGGTCCTGTACCTGGCAGAAGGTGATAATGTGAGGCTGGGCTGCCCTACGT
CCTGGACCCTGAGGACTATGGTCCCAATGGGCTGGACATCGAGTGGATGCAGGTCAACTCAGACCCCGCC
CACCACCGAGAGAACGTGTTCCCTAGTTACCAGGACAAGAGGATCAACCATGGCAGCCTTCCCCATCTGC
AGCAGAGGGTCCGCTTTGCAGCCTCAGACCCAAGCCAGTACGATGCCTCCATCAACCTCATGAACCTGCA
GGTATCTGATACAGCCACTTATGAGTGCCGGGTGAAGAAGACCACCATGGCCACCCGGAAGGTCAATGTG
ACTGTCCAAGCACGACCTGCAGTGCCCATGTGCTGGACAGAGGGCCACATGACATATGGCAACGATGTGG
TGCTGAAGTGCTATGCCAGTGGGGGCTCCAGCCCTCTCCTACAAGTGGCCAAGATCAGTGGGCACCA
TTACCCCTATCGAGCTGGGTCTTACACCTCCCAGCACAGCTACCACTCAGAGCTGTCTACCAGGAGTCC
TTCCACAGCTCCATAAACCAAGGCCTGAACAATGGGGACCTGGTGTGAAGGATATCTCCAGAGCAGATG
ATGGGCTGTATCAGTGCACAGTGGCCAACAACGTGGGCTACAGTGTGTTGTGGTGGAGGTGAAGGTCTC
AGACTCCCGCGTATAGCGTGATCATCGGCATCGTCTGGGCTCTCTGCTCGCGCTGGGCTGCCTGGCC
GTAGGCATCTGGGGCTCGTCTGCTGCTGCTGCGGGGCTCCGGGCTGGCGGCGCCCGCGTGCCTTCG
GCTACGGCAACGGCGCGGGGTGCGCGGAGGGGCTGCGGCGACTTGGCTAGTGAGATCAGAGAGGACGC
CGTGGCGCCCGGTGCAAGGCCAGCGGGCGCGGACGCCGCTACCCACCTCCTGGGGTACCCGACGCAG
AACGTCAGCCGCTCCCTGCGCCGCAAGTACGCGCTCCCCCTGCGGCGGCCCGAGGACGTGGCCCTGG
CGCCCTGCACCGCCGCGCCGCTGCGAAGCGGGCCCTCCCCGCTACGTCAAGGTCAAGAGCGCGGA
GCCGGTACTGCGCCGAGGGCCGGTGCAGTGAAGAAGCGCTCTTGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212118 representing NM_001013661
 Red=Cloning site Green=Tags(s)

MRVGGAFHLLLVCLSPALLSAVRINGDQGQEVLYLAEGDNVRLGCPYVLDPEDYGPNGLDIEWMQVNSDPA
 HHRENVFLSYQDKRINHGSPLHLQQRVRF AASDPSQYDASINLMNLQVSDTATYECRVKTTMATRKVIV
 TVQARPAVPMCWTEGHMTYGNVVLKCYASGGSQPLSYKWAKISGHHPYRAGSYTSQHSYHSEL SYQES
 FHSSINQGLNNGDLVLKDISRADDGLYQCTVANNVGYSVCVVEVKVSDSRRIIGVIIGIVLGSLLALGCLA
 VGIWGLVCCCGSGAGARGAFGYNGGGVGGGACGLASEIREDAVAPGCKASGRGSRVTHLLGYPTQ
 NVSRSLRRKYAPPPCGGPEDVALAPCTAAAACEAGPSPVYVVKVSAEPADCAEGPVQCKNGLLV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001013661

ORF Size: 1242 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_001013661.1](#), [NP_001013683.1](#)

RefSeq Size: 1818 bp

RefSeq ORF: 1245 bp

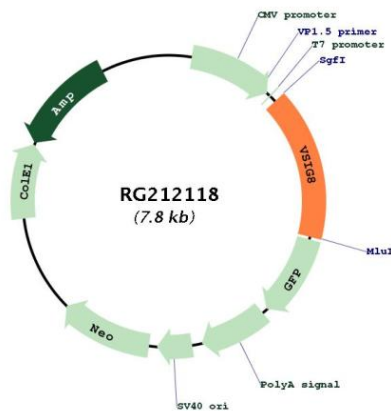
Locus ID: 391123

UniProt ID: [Q5VU13](#)

Cytogenetics: 1q23.2

Protein Families: Transmembrane

Product images:



Circular map for RG212118