

Product datasheet for **RG218106**

VSIG4 (NM_001100431) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSIG4 (NM_001100431) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VSIG4
Synonyms:	CRlg; Z39IG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218106 representing NM_001100431 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGGGATCTTACTGGGCTGCTACTCCTGGGGCACCTAACAGTGGACACTTATGGCCGTCCCATCCTGG
 AAGTGCCAGAGAGTGAACAGGACCTTGAAAGGGGATGTGAATCTTCCCTGCACCTATGACCCCTGCA
 AGGCTACACCCAAGTCTTGGTGAAGTGGCTGGTACAACGTGGCTCAGACCCTGTACCATCTTTCTACGT
 GACTCTTCTGGAGACCATATCCAGCAGGCAAAGTACCAGGGCCGCTGCATGTGAGCCACAAGTTCCAG
 GAGATGTATCCCTCCAATTGAGCACCTGGAGATGGATGACCGGAGCCACTACACGTGTGAAGTCACCTG
 GCAGACTCCTGATGGCAACCAAGTCGTGAGAGATAAGATTACTGAGCTCCGTGTCCAGAAACACTCCTCA
 AAGCTACTCAAGACCAAGACTGAGGCACCTACAACCATGACATACCCCTTGAAAGCAACATCTACAGTGA
 AGCAGTCTGGGACTGGACCACTGACATGGATGGCTACCTTGAGAGACCAAGTGTGGGCCAGGAAAGAG
 CCTGCCTGTCTTTGCCATCATCCTCATCATCTCCTTGCTGTATGGTGGTTTTTACCATGGCCTATATC
 ATGCTCTGTGCGAAGACATCCCAACAAGAGCATGTCTACGAAGCAGCCAGGGCACATGCCAGAGAGGCCA
 ACGACTCTGGAGAAACCATGAGGGTGGCCATCTTCGAAGTGGCTGCTCCAGTGATGAGCCAACCTCCCA
 GAATCTGGGCAACAACACTCTGATGAGCCCTGCATAGGACAGGAGTACCAGATCATCGCCAGATCAAT
 GGCAACTACGCCCGCCTGCTGGACACAGTTCCTCTGGATTATGAGTTTCTGGCCACTGAGGGCAAAAGTG
 TCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

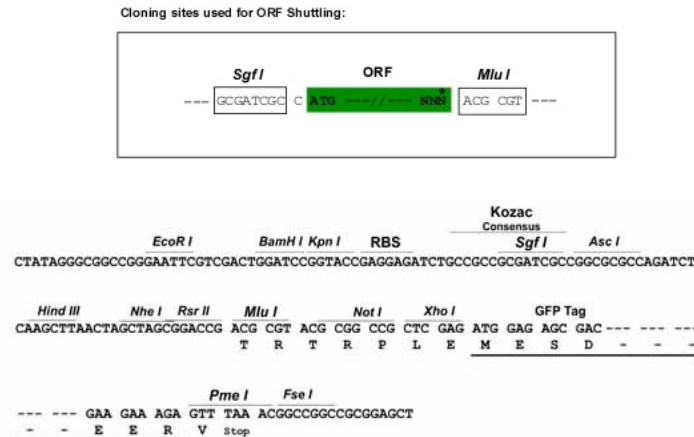
Protein Sequence: >RG218106 representing NM_001100431
 Red=Cloning site Green=Tags(s)

MGILLGLLLLGHLLTVDTYGRPILEVPESVTGPWKGDVNLPCYDPLQGYTQVLVKWLVRGSDPVTIFLR
 DSSGDHIQQAKYQGRHLVSHKVPGDVSLQLSTLEMDRSHYTCEVTWQTPDGNQVVRDKITELRVQKHSS
 KLLKTKTEAPTTMTYPLKATSTVKQSWDWTDDMDGYLGETSAGPGKSLPVFAIILIIISLCCMVVFTMAYI
 MLCRKTSQQEHVYEAAAHAREANDSGETMRVAIFASGCSSDEPTSQLGNYSDEPCIGQEYQIIAQIN
 GNYARLLDTVPLDYEFLLATEGKSVC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001100431

ORF Size: 915 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_001100431.2](#)

RefSeq Size: 1586 bp

RefSeq ORF: 918 bp

Locus ID: 11326

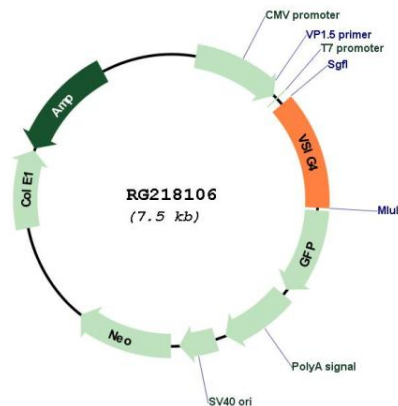
UniProt ID: [Q9Y279](#)

Cytogenetics: Xq12

Protein Families: Transmembrane

Gene Summary: This gene encodes a v-set and immunoglobulin-domain containing protein that is structurally related to the B7 family of immune regulatory proteins. The encoded protein may be a negative regulator of T-cell responses. This protein is also a receptor for the complement component 3 fragments C3b and iC3b. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

Product images:



Circular map for RG218106