

## Product datasheet for **RG203751**

### VSIG4 (NM\_007268) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VSIG4 (NM_007268) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VSIG4
Synonyms:	CRIG; Z39IG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203751 representing NM_007268 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGATCTTACTGGGCTGCTACTCCTGGGGCACCTAACAGTGGACACTTATGGCCGTCCCATCCTGG  
AAGTGCCAGAGAGTGTAAACAGGACCTTGGAAAGGGGATGTGAATCTTCCCTGCACCTATGACCCCTGCA  
AGGCTACACCCAAGTCTTGGTGAAGTGGCTGGTACAACGTGGCTCAGACCCTGTCACCATCTTTCTACGT  
GACTCTTCTGGAGACCATATCCAGCAGGCAAAGTACCAGGGCCGCTGCATGTGAGCCACAAGGTTCCAG  
GAGATGTATCCCTCCAATTGAGCACCTGGAGATGGATGACCGGAGCCACTACACGTGTGAAGTCACCTG  
GCAGACTCCTGATGGCAACCAAGTCGTGAGAGATAAGATTACTGAGCTCCGTGTCCAGAACTCTCTGTC  
TCCAAGCCACAGTGACAACCTGGCAGCGGTTATGGCTTACCGGTGCCCGAGGAATGAGGATTAGCCTTC  
AATGCCAGGCTCGGGTCTCCTCCCATCAGTTATATTTGGTATAAGCAACAGACTAATAACCAGGAACC  
CATCAAAGTAGCAACCCTAAGTACCTTACTCTTCAAGCCTGCGGTGATAGCCGACTCAGGCTCCTATTTT  
TGCACTGCCAAGGGCCAGGTTGGCTCTGAGCAGCACAGCGACATTGTGAAGTTTGGTCAAAGACTCCT  
CAAAGCTACTCAAGACCAAGACTGAGGCACCTACAACCATGACATACCCCTTGAAGCAACATCTACAGT  
GAAGCAGTCTGGGACTGGACCCTGACATGGATGGCTACCTGGAGAGACCAGTGTGGCCAGGAAAG  
AGCCTGCTGTCTTTGCCATCATCTCATCTCCTTGTGCTGTATGGTGGTTTTACCATGGCCTATA  
TCATGCTCTGTCGGAAGACATCCAACAAGAGCATGTCTACGAAGCAGCCAGGGCACATGCCAGAGAGGC  
CAACGACTCTGGAGAAACCATGAGGGTGGCCATCTTCGCAAGTGGCTGCTCCAGTGATGAGCCAACCTCC  
CAGAATCTGGCAACAACACTCTGATGAGCCCTGCATAGGACAGGAGTACCAGATCATGCCCGAGATCA  
ATGGCAACTACGCCCGCCTGCTGGACACAGTTCCTCTGGATTATGAGTTTCTGGCCACTGAGGGCAAAG  
TGTCTGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203751 representing NM\_007268  
Red=Cloning site Green=Tags(s)

MGILLGLLLLGHLLTVDTYGRPILEVPESVTGPWKGDVNLPCYDPLQGYTQVLVKWL VQRGSDPVTIFLR  
 DSSGDHIQQAQYQGRHLVSHKVPGDVSLQLSTLEMDDRSYHTCEVTWQTPDGNQVVRDKITELRVQKLSV  
 SKPTVTTGSGYGFVTPQGMRI SLQCQARGSPPI SYIWKQQTNNQEPKIVATLSTLLFKPAVIADSGSYF  
 CTAKGQVGSEQHSDIVKFFVVKDSSKLLKTKTEAPTTMTYPLKATSTVKQSWDWTDDMDGYLGETSAGPGK  
 SLPVFAIILIIISLCCMVVFTMAYIMLCRKTSQQEHVYEAARAHAREANDSGETMRVAIFASGCSSEPTS  
 QNLGNNYSDEPCIGQEYQIIAQINGNYARLLDTVPLDYEF LATEGKSVC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007268

**ORF Size:** 1197 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\\_007268.3](#)

**RefSeq Size:** 1787 bp

**RefSeq ORF:** 1200 bp

**Locus ID:** 11326

**UniProt ID:** [Q9Y279](#)

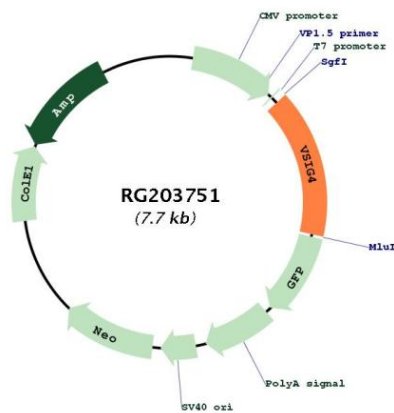
**Cytogenetics:** Xq12

**Domains:** ig, IGv, IGc2, IG

**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 RG203751