

## Product datasheet for **RC229890**

### VSIG4 (NM\_001184830) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VSIG4 (NM\_001184830) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** VSIG4  
**Synonyms:** CRlg; Z39IG  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC229890 representing NM\_001184830  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGATCTTACTGGGCCTGCTACTCCTGGGGCACCTAACAGTGGACACTTATGGCCGTCCCATCCTGG  
 AAGTGCCAGAGAGTGAACAGGACCTTGGAAAGGGGATGTGAATCTTCCCTGCACCTATGACCCCTGCA  
 AGGCTACACCCAAGTCTTGGTGAAGTGGCTGGTACAACGTGGCTCAGACCCTGTCACCATCTTTCTACGT  
 GACTCTTCTGGAGACCATATCCAGCAGGCAAAGTACCAGGGCCGCTGCATGTGAGCCACAAGGTTCCAG  
 GAGATGTATCCCTCCAATTGAGCACCTGGAGATGGATGACCGGAGCCACTACACGTGTGAAGTCACTG  
 GCAGACTCCTGATGGCAACCAAGTCGTGAGAGATAAGATTACTGAGCTCCGTGTCCAGAACTCTCTGTC  
 TCCAAGCCACAGTGACAACCTGGCAGCGGTTATGGCTTACGGTCCCCAGGGAATGAGGATTAGCCTTC  
 AATGCCAGGCTCGGGGTTCTCTCCCATCAGTTATATTTGGTATAAGCAACAGACTAATAACCAGGAACC  
 CATCAAAGTAGCAACCCTAAGTACCTTACTCTTCAAGCCTGCGGTGATAGCCGACTCAGGCTCCTATTTCT  
 TGCACTGCCAAGGGCCAGGTTGGCTCTGAGCAGCACAGCGACATTGTGAAGTTTGGTCAAAGACTCCT  
 CAAAGCTACTCAAGACCAAGACTGAGGCACCTACAACCATGACATACCCCTTGAAGCAACATCTACAGT  
 GAAGCAGTCTGGGACTGGACCACTGACATGGATGGCTACCTTGGAGAGACCAGTGTGGCCAGGAAAG  
 AGCCTGCCTGTCTTTGCCATCATCTCATCATCTCCTTGTGCTGTATGGTGGTTTTACCATGGCCTATA  
 TCATGCTCTGTCCGAAGACATCCCAACAAGAGCATGTCTACGAAGCAGCCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229890 representing NM\_001184830  
Red=Cloning site Green=Tags(s)

MGILLGLLLLGHLLTVDTYGRPILEVPE SVTGPWKGDVNL PCTYDPLQGYTQVLVKWLVQRGSDPVTIFLR  
 DSSGDHIQQAKYQGRHLVSHKVPGDVSLQLSTLEMDRSHYTCEVTWQTPDGNQVVRDKITELRVQKLSV  
 SKPTVTTGSGYGFTVPQGMRI SLQCQARGSPPI SYIWKQQTNNQEP IKVATLSTLLFKPAVIADSGSYF  
 CTAKGQVGSEQHSDIVK FVVKDSSKLLKTKTEAPT TMTYPLKATSTVKQSWDWTDMDGYLGETSAGPGK  
 SLPVF AIIILIIISLCCMVVFTMAYIMLCRKTSQQEHVYEAAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8051\\_g01.zip](https://cdn.origene.com/chromatograms/mk8051_g01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001184830

**ORF Size:** 963 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\\_001184830.1](#), [NP\\_001171759.1](#)

**RefSeq ORF:** 966 bp

**Locus ID:** 11326

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

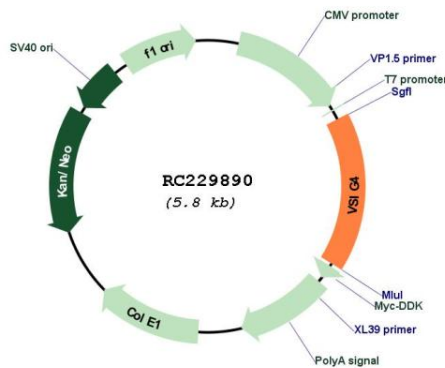
**Cytogenetics:** Xq12

**Protein Families:** Transmembrane

**MW:** 36 kDa

**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 RC229890