

Product datasheet for RC203751

VSIG4 (NM_007268) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSIG4 (NM_007268) 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:	>RC203751 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGATCTTACTGGGCTGCTACTCCTGGGGCACCTAACAGTGGACACTTATGGCCGTCCCATCCTGG
AAGTGCCAGAGAGTGAACAGGACCTTGGAAAGGGGATGTGAATCTTCCCTGCACCTATGACCCCTGCA
AGGCTACACCCAAGTCTTGGTGAAGTGGCTGGTACAACGTGGCTCAGACCCTGTCACCATCTTTCTACGT
GACTCTTCTGGAGACCATATCCAGCAGGCAAAGTACCAGGGCCGCTGCATGTGAGCCACAAGGTTCCAG
GAGATGTATCCCTCCAATTGAGCACCTGGAGATGGATGACCGGAGCCACTACACGTGTGAAGTCACCTG
GCAGACTCCTGATGGCAACCAAGTCGTGAGAGATAAGATTACTGAGCTCCGTGTCCAGAACTCTCTGTC
TCCAAGCCACAGTGACAACCTGGCAGCGGTTATGGCTTACGGTGCCTCCAGGGAATGAGGATTAGCCTTC
AATGCCAGGCTCGGGTCTCCTCCCATCAGTTATATTTGGTATAAGCAACAGACTAATAACCAGGAACC
CATCAAAGTAGCAACCCTAAGTACCTTACTCTTCAAGCCTGCGGTGATAGCCGACTCAGGCTCCTATTTT
TGCACTGCCAAGGGCCAGGTTGGCTCTGAGCAGCACAGCGACATTGTGAAGTTTGGTCAAAGACTCCT
CAAAGCTACTCAAGACCAAGACTGAGGCACCTACAACCATGACATACCCCTTGAAGCAACATCTACAGT
GAAGCAGTCTGGGACTGGACCACTGACATGGATGGCTACCTTGGAGAGACCAGTGTGGCCAGGAAAG
AGCCTGCCTGTCTTTGCCATCATCTCATCTCCTTGTGCTGTATGGTGGTTTTACCATGGCCTATA
TCATGCTCTGTCGGAAGACATCCAACAAGAGCATGTCTACGAAGCAGCCAGGGCACATGCCAGAGAGGC
CAACGACTCTGGGAAACCATGAGGGTGGCCATCTTCGCAAGTGGCTGCTCCAGTGATGAGCCAACCTCC
CAGAATCTGGGCAACAACTACTCTGATGAGCCCTGCATAGGACAGGAGTACCAGATCATGCCCGAGATCA
ATGGCAACTACGCCCGCCTGCTGGACACAGTTCCTCTGGATTATGAGTTTCTGGCCACTGAGGGCAAAG
TGTCTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203751 protein sequence
Red=Cloning site Green=Tags(s)

MGILLGLLLLLGHLLTVDTYGRPILEVPEVSVTGPWKGDVNLPCYDPLQGYTQVLVKWLVQRGSDPVTIFLR
 DSSGDHIQQAKYQGRHLVSHKVPGDVSLQLSTLEMDDRSHYTCEVTWQTPDGNQVVRDKITELRVQKLSV
 SKPTVTTGSGYGFVTPQGMRIISLQCQARGSPPISYIWKQQTNNQEPKIVATLSTLLFKPAVIADSGSYF
 CTAKQVQVGEQHSDIVKVVKDSKLLKTKTEAPTTMTYPLKATSTVKQSWDWTMDMDGYLGETSAGPGK
 SLPVFAIILIIISLCCMVVFTMAYIMLCRKTSQQEHVYEAARAHAREANDSGETMRVAIFASGCSSDEPTS
 QNLGNNYSDEPCIGQEYQIIAQINGNYARLLDTPLDYEFLLATEGKSVC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6306_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007268.3](#)

RefSeq Size: 1869 bp

RefSeq ORF: 1200 bp

Locus ID: 11326

UniProt ID: [Q9Y279](#)

Cytogenetics: Xq12

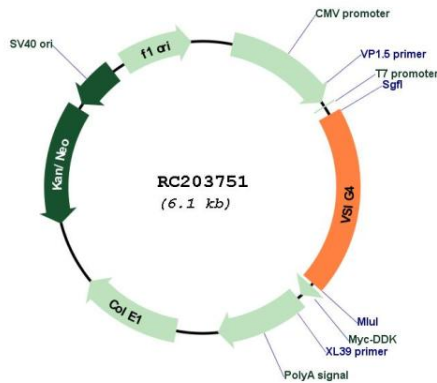
Domains: ig, IGv, IGc2, IG

Protein Families: Transmembrane

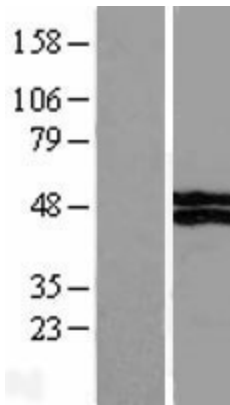
MW: 44 kDa

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]

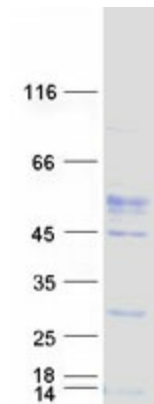
Product images:



Circular map for RC203751



Western blot validation of overexpression lysate (Cat# [LY416087]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203751 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified VSIG4 protein (Cat# [TP303751]). The protein was produced from HEK293T cells transfected with VSIG4 cDNA clone (Cat# RC203751) using MegaTran 2.0 (Cat# [TT210002]).