

## Product datasheet for **RC230056**

### **VSIG1 (NM\_001170553) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	VSIG1 (NM_001170553) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VSIG1
Synonyms:	1700062D20Rik; dj889N15.1; GPA34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC230056 representing NM\_001170553  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGTTCGCATTTTGAAGGTCTTTCTGATCCTAAGCTGCCTTGCAGTTCAGGTTAGTGTGGTCAAG  
 TGACCATCCCAGACGGTTTCGTGAACGTGACTGTTGGATCTAATGTCACTCTCATCTGCATCTACACCAC  
 CACTGTGGCCTCCCGAGAACAGCTTTCCATCCAGTGGTCTTTCTCCATAAGAAGGAGATGGAGCCAATT  
 TCTCACAGCTCGTGCCTCAGTACTGAGGGTATGGAGGAAAAGGCAGTCAGTCAGTGTCTAAAAATGACGC  
 ACGCAAGAGACGCTCGGGGAAGATGTAGCTGGACCTCTGAGATTTACTTTTCTCAAGGTGGACAAGCTGT  
 AGCCATCGGGCAATTTAAAGATCGAATTACAGGGTCCAACGATCCAGGTAATGCATCTACTATCTCG  
 CATATGCAGCCAGCAGACAGTGGAAATTTACATCTGCGATGTTAACACCCCCAGACTTTCTCGGCCAAA  
 ACCAAGGCATCCTCAACGTCAGTGTGTAGTGAACCTTCTAAGCCCTTTGTAGCGTTCAAGGAAGACC  
 AGAAACTGGCCACACTATTTCCCTTTCTGTCTCTGCGCTTGAACACCTTCCCTGTGTACTACTGG  
 CATAAACTTGAGGGAAGAGACATCGTGCCAGTGAAGAAAACCTCAACCCAACCACCGGGATTTTGGTCA  
 TTGGAAATCTGACAAATTTTGAACAAGTTATTACCAAGTGTACTGCCATCAACAGACTTGCCAATAGTTC  
 CTGCGAAATCGATCTCACTTCTTACATCCAGAAGTTGGAATCATTGTTGGGGCCTTGATTGGTAGCCTG  
 GTAGGTGCCGCCATCATCTCTGTTGTGTGCTTCGCAAGGAATAAGGCAAAAGCAAAGGCAAAAGAAA  
 GAAATTCTAAGACCATCGCGGAACCTTGAGCCAATGACAAAGATAAACCCAAGGGGAGAAAGCGAAGCAAT  
 GCCAAGAGAAGACGCTACCCAAC TAGAAGTAACTCTACCATCTTCCATTCATGAGACTGGCCCTGATACC  
 ATCCAAGAACCAGACTATGAGCCAAAGCCTACTCAGGAGCCTGCCCCAGAGCCTGCCCCAGGATCAGAGC  
 CTATGGCAGTGCCTGACCTTGACATCGAGCTGGAGCTGGAGCCAGAAACGCAGTCGGAATTTGGAGCCAGA  
 GCCAGAGCCAGAGCCAGAGTCAGAGCCTGGGGTTGTAGTTGAGCCCTTAAGTGAAGATGAAAAGGGAGTG  
 GTTAAGGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230056 representing NM\_001170553  
 Red=Cloning site Green=Tags(s)

MVFAFWKVFILSCLAGQVSVVQVTIPDGFVNVTVGSNVTLCIYTTTVAEREQLSIQWSFFHKKEMEPI  
 SHSSCLSTEGMEEKAVSQCLKMTHARDARGRCSTSEIYFSQGGQAVAIQFKDRITGSNDPGNASITIS  
 HMQPADSGIYICDVNPPDFLGNQILNVSVLVKPSKPLCSVQGRPETHIISLSCLALGTPSPVYYW  
 HKLEGRDIVPVKENFNPTTGILVIGNLTNFEQGYQCTAINRLGNSSCEIDLSSHPEVGIIVGALIGSL  
 VGAAIIISVVCFARNKAKAKAKERNKTI AELEPMTKINPRGESEAMPREDATQLEVTLPSSIHETGPDT  
 IQEPDYEPKPTQEPAPEPAPGSEPMAPVPLDIELELEPETQSELEPEPEPESEPGVVVEPLSEDEKGV  
 VKA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8058\\_g10.zip](https://cdn.origene.com/chromatograms/mk8058_g10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001170553

**ORF Size:** 1269 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\\_001170553.1](#), [NP\\_001164024.1](#)

**RefSeq ORF:** 1272 bp

**Locus ID:** 340547

**UniProt ID:** [Q86XK7](#)

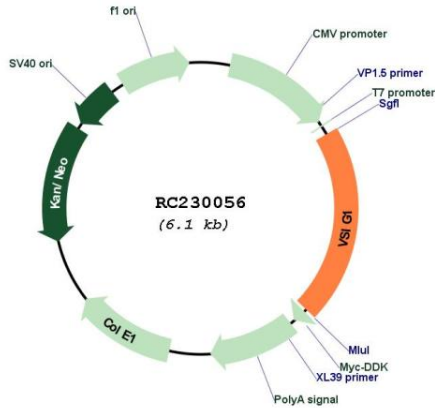
**Cytogenetics:** Xq22.3

**Protein Families:** Transmembrane

**MW:** 46.3 kDa

**Gene Summary:** This gene encodes a member of the junctional adhesion molecule (JAM) family. The encoded protein contains multiple glycosylation sites at the N-terminal region, and multiple phosphorylation sites and glutamic acid/proline (EP) repeats at the C-terminal region. The gene is expressed in normal stomach and testis, as well as in gastric, esophageal and ovarian cancers. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]

**Product images:**



Circular map for RC230056