

Product datasheet for **RG207391**

VSIG1 (NM_182607) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSIG1 (NM_182607) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VSIG1
Synonyms:	1700062D20Rik; dj889N15.1; GPA34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207391 representing NM_182607 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGTTTCGATTTTGAAGGTCTTTCTGATCCTAAGCTGCCTTGCAGGTCAGGTTAGTGTGGTCAAG
TGACCATCCAGACGGTTTCGTGAACGTGACTGTTGGATCTAATGTCCTCTCATCTGCATCTACACCAC
CACTGTGGCCTCCCGAGAACAGCTTTCCATCCAGTGGTCTTTCTCCATAAGAAGGAGATGGAGCCAATT
TCTATTTACTTTTCTCAAGGTGGACAAGCTGTAGCCATCGGGCAATTTAAAGATCGAATTACAGGGTCCA
ACGATCCAGGTAATGCATCTATCACTATCTCGCATATGCAGCCAGCAGACAGTGGAAATTTACATCTGCGA
TGTTAAACAACCCCGACTTTCTCGGCCAAAACCAAGGCATCCTCAACGTCAGTGTGTTAGTGAACCT
TCTAAGCCCTTTGTAGCGTTCAAGGAAGACCAGAAAAGTGGCCACACTATTTCCCTTTCTGTCTCTCTG
CGCTTGGAACACCTTCCCTGTGTACTACTGGCATAAACTTGAGGGAAGAGACATCGTGCCAGTGAAGA
AACTTCAACCCAACACCGGATTTTGGTCATTGGAAATCTGACAAATTTGAACAAGGTTATTACCAG
TGTAAGCCATCAACAGACTTGGCAATAGTTCCTGCGAAATCGATCTCACTTCTTACATCCAGAAGTTG
GAATCATTGTTGGGGCCTTGATTGGTAGCCTGGTAGGTGCCGCATCATCTCTGTTGTGTGCTTCG
AAGGAATAAGGCAAAAGCAAAGGCAAAAGAAAGAAATTTAAGACCATCGCGAACTTGAGCCAATGACA
AAGATAAACCCAAAGGGGAGAAAGCGAAGCAATGCCAAGAGAAGACGCTACCCAAGTGAAGTAACTCTAC
CATCTTCCATTCATGAGACTGGCCCTGATACCATCCAAGAACCAGACTATGAGCCAAAGCCTACTCAGGA
GCCTGCCCCAGAGCCTGCCCCAGGATCAGAGCCTATGGCAGTGCCTGACCTTGACATCGAGCTGGAGCTG
GAGCCAGAAACGAGTCCGAATTGGAGCCAGAGCCAGAGCCAGAGCCAGAGTCCAGAGCCTGGGGTTGTAG
TTGAGCCCTTAAGTGAAGATGAAAAGGGAGTGTTAAGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207391 representing NM_182607
 Red=Cloning site Green=Tags(s)

MVFAFWKVFLLSCLAGQVSVVQVTIPDGFVNVTVGSNVTLCIYTTTASREQLSIQWSFFHKKEMEPI
 SIYFSQGGQAVAIGQFKDRITGSNDPGNASITISHMQPADSGIYICDVNNPPDFLGQNQGILNVSVLVKP
 SKPLCSVQGRPETGHTISLSCLSGALGTPSPVYYWHKLEGRDIVPVKENFNPTTGILVIGNLTNFEQGYQ
 CTAINRLGNSSCEIDLTSHPVEVGIIVGALIGSLVGAIIISVVCFARNKAKAKAKERNSTIAELEPMT
 KINPRGESEAMPREDATQLEVTLPSSIHETGPDTIQEPDYEPKPTQEPAPPEPAGSEPMVDPDLIDIELEL
 EPETQSELEPEPEPEPESEPGVVVEPLESEDEKGVVKA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182607

ORF Size: 1161 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_182607.5](#)

RefSeq Size: 3145 bp

RefSeq ORF: 1164 bp

Locus ID: 340547

UniProt ID: [Q86XK7](#)

Cytogenetics: Xq22.3

Protein Families: Transmembrane

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 RG207391