

Product datasheet for **RG205486**

VSIG10 (NM_019086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	VSIG10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205486 representing NM_019086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCGAGGCGGCGAGTGCAGCCGAGCCCGCGTCTCTGCTGCCTCGGGCGCTCCTGGCCGGCTGGG
 TCGCCGTAGGATTGGAGGCTGTTGTATTGGAGAAGTTTCATGAGAATGTTACTCTGCACTGTGGCAACAT
 CTCGGGACTGAGGGGCCAGGTGACCTGGTACCGGAACAACCTCGGAGCCTGTCTTCTCTCTCGTCCAAC
 TCTAGCCTCCGGCCAGCTGAGCCTCGCTTCTCTAGTGGATGCCACCTCCCTGCACATTGAATCGCTGA
 GCCTGGGAGATGAGGGAATCTACACCTGCCAGGAGATCCTGAATGTGACTCAGTGGTTCCAAGTGTGGCT
 GCAGGTGGCCAGCGGCCCTATCAGATTGAGGTCCACATCGTGCCACCGGCACACTCCCAACGGCACC
 CTCTATGCAGCCAGGGGCTCCAGGTGGACTTCAGCTGCAACAGCAGCTCCAGGCCACCACCGTGGTTG
 AATGGTGGTTCCAGGCCCTGAATTCAGCAGCGAGTCTTTGGCCACAACCTGACAGTCAACTTTTTCTC
 ACTGTTACTGATATCGCCAAACCTCCAAGGGAACACCTGTTTAGCCTTGAATCAGCTCAGCAAGAGA
 CATCGAAAGGTGACCACCGAGCTCCTGGTCTACTATCCCCCTCCATCAGCTCCCCAGTGCTGGGCACAGA
 TGGCATCAGGATCGTTCATGTTGCAGCTTACCTGTGCTGGGATGGGGGATACCTGACCTGACTTCTCT
 GTGGATAGAAGAGCCAGGAGGTGTAATCGTGGGAAGTCAAGCTGGGGGTGGAATGCTGAGCGAGTCC
 CAGCTGTGCGATGGCAAGAAGTTCAAGTGTGTTACAAGCCACATAGTTGGGCCAGAGTCGGGCCAGCT
 GCATGGTGCAGATCAGGGGTCCCTCCCTTCTCTCTGAGCCCATGAAGACTTGCTTCACTGGGGCAATGT
 GACGCTTACATGCCAGGTGTCTGGGGCTACCCCTGCCAAGATCCTGTGGCTGAGGAACCTTACCCAG
 CCCGAGGTGATCATCCAGCTAGCAGCCGCATCTCATTACCCAGGATGGCCAGAACTCCACCTCACTA
 TCCACAACCTGCTCCAGGACCTGGATGAGGGCTACTACATCTGCCAGCTGACAGCCTGTAGGGGTGAG
 GGAGATGGAATCTGGCTGAGTGTGAAAGAACCTTTAAATATCGGGGGGATTGTGGGAACATTGTGAGC
 CTCCTTCTGCTGGGACTGGCCATTATCTCAGGGCTTCTGTTGCATTATAGCCCTGTGTTCTGCTGGAAG
 TAGGAAACACTTCCAGGGGACAAAACATGGATGATGTCATGGTTTTGGTGGATTGAGAAGAGGAAGGA
 GGAGGAGGAGGAGGAGGAGGAGATGCTGCAGTAGGGGAACAGGAGGAGCAGCTGAGAGAGGAGTTG
 CCAAAAGAAATACCTAAGCAGGACCATTACAGAGTGACCGCCTTGGTGAATGGGAACATAGAACAGA
 TGGGAATGGATTCCAGGATCTTCAAGATGACAGCAGTGAGGAGCAAAGTGACATTGTTCAAGAAGAAGA
 CAGGCCAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

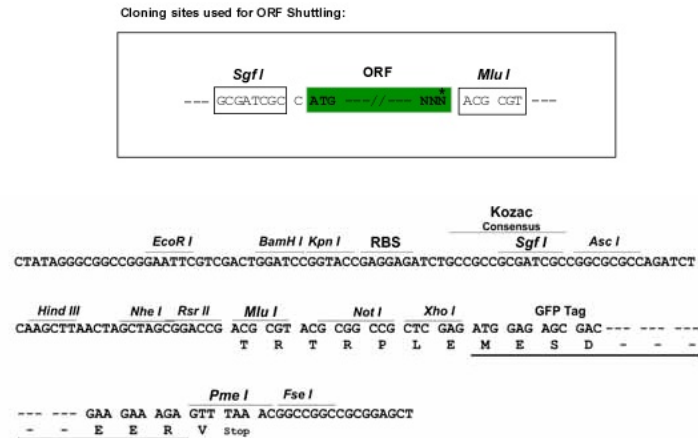
Protein Sequence: >RG205486 representing NM_019086
 Red=Cloning site Green=Tags(s)

MAAGGSAPEPRVLVCLGALLAGWVAVGLEAVVIGEVHENVTLHCGNISGLRGQVTWYRNNSEPVFLLSSN
 SSLRPAEPRFSLVDATSLHIESLSLGDEGIYTCQEILNVTQWFQVWLQVASGPYQIEVHIVATGTLPNGT
 LYAARGSQVDFSCNSSSRPPPVVEWFFQALNSSSEFQHNLTVNFFSLLISPQLQGNITCLALNQLSKR
 HRKVTTLLVYPPPSAPQCWAQMASGSFMLQLTCRWDGGYPDPDFLWIEEPGGVIVGKSKLGVEMLSSES
 QLSGKKFKCVTSIVGPESGASCMVQIRGPSLLSEPMKTCFTGGNVTLTCQVSGAYPPAKILWLRNLITQ
 PEVVIQSSRHLITQDQNSTLTIHNCSQDLDEGYICRADSPVGVREMEIWLVSKEPLNIGGIVGTIVS
 LLLGLAIISGLLLHSPVFCWKVGNTSRGQNMDDVMVLVDSEEEEEEEEEEDAAVGEQEGAREREEL
 PKEIPKQDHIHRVTALVNGNIEQMNGFQDLQDSSSEQSDIVQEEDRPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019086

ORF Size: 1620 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_019086.4](#)

RefSeq Size: 2882 bp

RefSeq ORF: 1623 bp

Locus ID: 54621

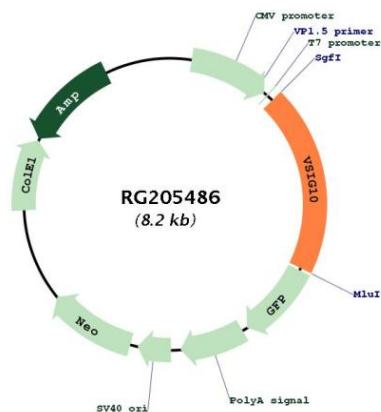
UniProt ID: [Q8N0Z9](#)

Cytogenetics: 12q24.23

Domains: ig, IGv, IGc2, IG

Protein Families: Transmembrane

Product images:



Circular map for RG205486