

Product datasheet for **RG200170**

VSIG2 (NM_014312) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VSIG2 (NM_014312) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VSIG2
Synonyms:	2210413P10Rik; CTH; CTXL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200170 representing NM_014312 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGAGCTCCCGGGGCCCTTCTCTCGGGGCCCTGCTAGGCTTCTGTGCCTGAGTGGGCTGGCCG
TGGAGGTGAAGGTACCCACAGAGCCGCTGAGCACGCCCTGGGGAAGACAGCCGAGCTGACCTGCACCTA
CAGCACGTCGGTGGGAGACAGCTTCGCCCTGGAGTGGAGCTTTGTGCAGCCTGGAAACCATCTCTGAG
TCCCATCCAATCCTGTACTTCACCAATGGCCATCTGTATCCAACCTGGTTCTAAGTCAAAGCGGGTCAGCC
TGCTTCAGAACCCCCACAGTGGGGTGGCCACACTGAAACTGACTGACGTCCACCCCTCAGATACTGG
AACCTACCTCTGCCAAGTCAACAACCCACCAGATTTCTACACCAATGGGTGGGGCTAATCAACCTTACT
GTGCTGGTTCCCCCAGTAATCCCTTATGCAGTCAGAGTGGACAAACCTCTGTGGGAGGCTACTACTGCAC
TGAGATGCAGCTCTCCGAGGGGCTCCTAAGCCAGTGTACAACCTGGGTGCGTCTTGGAACCTTTTCTAC
ACCTTCTCCTGGCAGCATGGTTCAAGATGAGGTGTCTGGCCAGCTCATTCTACCAACCTCTCCCTGACC
TCCTCGGGCACCTACCGCTGTGTGGCCACCAACAGATGGGCAGTGCATCCTGTGAGCTGACCCCTCTGTG
TGACCGAACCCCTCCAAGGCCGAGTGGCCGGAGCTCTGATTGGGGTGTCTCTGGGCGTGTGTTGCTGTC
AGTTGCTGCGTTCTGCTGGTTCAGGTTCCAGAAAGAGAGGGGGGAAGAAGCCAAGGAGACATATGGGGGT
AGTGACCTTCGGGAGGATGCCATCGCTCCTGGGATCTCTGAGCACACTTGTATGAGGGCTGATTCTAGCA
AGGGGTTCTGGAAAGACCCTCGTCTGCCAGCACCGTGACGACCACCAAGTCCAAGCTCCCTATGGTCGT
G

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200170 representing NM_014312
Red=Cloning site Green=Tags(s)

MAELPGPFLCGALLGFLCLSGLAWEVVKVPTPEPLSTPLGKTAELTCTYSTSVGDSFALEWSFVQPGKPISE
 SHPILYFTNGHL YPTGSKSKRVSL LQNPPTVGVATLKL TDVHPSDTGT YLCQVNNPPDFYTNGLGLINLT
 VLVPPSNPLCSQSGQTSVGGSTALRCSSEGAPKPVYNWVRLGTFPTSPGSMVQDEVSGQLILTNLSLT
 SSGTYRCVATNQMGASCELTLSVTEPSQGRVAGALIGVLLGVLLLSVAAFCLVRFQKERGKKPKETYGG
 SDLREDAIAPGISEHTCMRADSSKGFLEPSSASTVTTTTSKSLPMVV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014312

ORF Size: 981 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_014312.5](#)

RefSeq Size: 1138 bp

RefSeq ORF: 984 bp

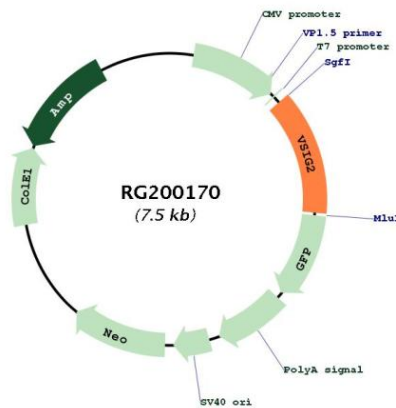
Locus ID: 23584

UniProt ID: [Q96IQ7](#)

Cytogenetics: 11q24.2

Protein Families: Druggable Genome, Transmembrane

Product images:



Circular map for RG200170