

Product datasheet for **RG214321**

VN1R5 (NM_173858) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VN1R5 (NM_173858) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VN1R5
Synonyms:	V1RL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214321 representing NM_173858 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTTGAAATTGGTTATTATTGAGAACATGGCAGAAATTATGCTATTCTCATTAGATCTCTTGTCTTTCT
CCACAGATATCCTTTGCTTTAATTTTCCTTCTAAGATGATCAAACCTCCTGGTTTTATTACCATACAAAT
CTTCTTTTATCCACAAGCCAGCTTTGGAATTTAGCAAAACACCATCCTTCTTCTTTCCACATCTTCACC
TTTGTTCAGTCACAGGTCTAAGTCCATTGACATGATAATTAGTCACCTGTCTCTCATCCACATACTGC
TGCTCTTCACTCAGGCAATATTGGTGTCTTAGACTTCTTTGGTTCACAGAATACTCAGGATGATCTTAG
GTATAAGGTCAATTGTCTTTTAAACAAGGTGATGAGGGGCTCTCCATCTGCACCCCTGCCTCCTGAGT
GTGCTCCAGGCCATCATCAGCCCGAGCATCTTCTCCTTGCCAAAGCTCAAACATCCTTCTGCAAGTCACA
TCTTAGGATTCTTCTTTTCTCATGGGTCTCAACATGTTCAATTGGTGTAACTCTTCTGCTGTACACTGCG
GCTACCCCGAGTGAAACGGGGCCAGTCTTCTGTTTGTACATACAGCACTGTTCTTTTGGCCATGAGCTA
CACCCACAGGAGACTGTTTTTCACTAATGACTTTGAGGGATGTCACCTTTATAGGGTTTCATGGTCTC
TCAAGAGGCTACATGGTGATTATTTTATACAGACAATAAGAGGCTATCTCAGTGCCTTCACACAGCCAGC
CTGTCCCCGAGTCTCACCAGTGAAAAGAGCCTCCAGGCTATCTTACTGCTGGTGAGTTTTGTCTTCACA
TACTGGGTGGACTTTACGTTCTCATTTTCAGGAGGTGTGACATGGATAAATGATTCTCTGCTAGTGTGGC
TCCAGGTTATTGTGGCCAATAGCTATGCCGAATTAGTCCTTTGATGCTAATTTATGCTGATAACCAAAT
ATTCAAGACTCTGCAAATGTTATGGTTTAAATATTTGTCTCCTCAAAGCTCATGTTGAAATTTAATCGC
CAATGTGGCAGTACTAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214321 representing NM_173858
 Red=Cloning site Green=Tags(s)

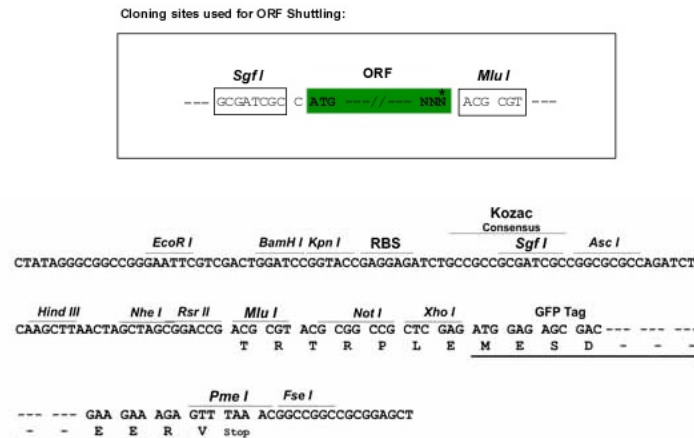
MLKLVIENMAEIMLFSLDLLFSTDILCFNFPSKMIKLPGFITIQIFFYPQASFGISANTILLFHIFT
 FVFSHRKSIDMIISHLIHLILLFTQAILVSLDFFGSQNTQDDLRYKIVVFLNKVMRGLSICTPCLLS
 VLQAIISPSIFSLAKLKHPASASHILGFFLFSWVLNMFIGVIFCCTLRPPVKRGQSSVCHTALFLFAHEL
 HPQETVFHTNDFEGCHLYRVHGPLKRLHGDYFIQTIRGYLSAFTQPACPRVSPVKRASQAILLVSVFVT
 YWVDFTFSFSGGVTWINDSLLVWLQVIVANSYAAISPLMLIYADNQIFKTLQMLWFKYLSPPKLMLKFNR
 QCGSTKK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173858

ORF Size: 1071 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_173858.1](#), [NP_776257.1](#)

RefSeq Size: 1074 bp

RefSeq ORF: 1074 bp

Locus ID: 317705

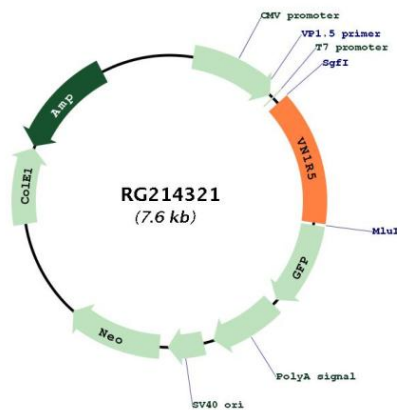
UniProt ID: [Q7Z5H4](#)

Cytogenetics: 1q44

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Putative pheromone receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214321