

Product datasheet for **RC218783**

VN1R1 (NM_020633) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VN1R1 (NM_020633) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VN1R1
Synonyms:	V1RL1; VNR1911; ZVNH1; ZVNR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218783 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTGGAGACACATTA~~AA~~ACTTCTGTCTCCACTGATGACAAGATACTTCTTTCTGCTTTTTTATTCTA
CTGATTCTTCAGACCTCAATGAAATCAACATCCCCTAGATTTTGATGAAATGGCTTTTGGAAAAGTAA
ATCAGGGATTAGCTTCTCATTAGACTGGAGTTGGGATCCTGGGAAATCCTTTCTCCTTTGTTTTAT
AACTTAATTTTGTTCAGTGGACACAAGCTGAGACCCACGGACTTGATTCTCAGCCAAGTGGCTTGGCTA
ACTCCATGGTCTTTTCTTTAAAGGGATACCTCAGACAATGGCAGCTTTTGGATTGAAATATTTGCTGAA
TGACACTGGATGTAAGTTTGTCTTTTATTATCACAGGGTGGGCACAAGAGTTCCCTCAGCACCATCTGC
CTTCTCAATGGATTCCAAGCCATTAAGCTCAACCCAGTATATGCAGGTGGATGGAGATCAAGATTAGAT
CCCCAAGGTTTATTGACTTCTGTGTCTCCTCTGCTGGGCCCCCATGTCTTGATGAATGCATCTGTTCT
TCTATTAGTGAATGGCCCACTGAATAGCAAAAACAGTAGTGCAAAAAACAATTATGGATACTGTTCTTAC
AAAGCATCAAAGAGATTTAGTCTATTACATGCAGTCTTATATTTTTCCCCTGATTTTATGAGTTGGGCT
TCATGGTCTGGGCCAGTGGCTCCATGGTCTTCTCCTCTACAGACACAAGCAGCAAGTCCAACACAATCA
CAGCAACAGACTCTCCTGCAGACCTTCCCAGGAAGCCAGAGCCACACACACCATCATGGTCTGGTGAGC
TCCTTTTTTGTCTTCTATTAGTCCATAGTTTTCTGACAATTTGGACAAGTGTAGTTGCAACCCAGGCC
AGTGGATAGTGACCAACTCTGTGTGGTGCCTCATGTTTCCCAGCACGAGCCCTTTTGTCTCATCAT
GAGTGATACTCATATCTCTCAGTCTGTTTTGCCTGCAGGACAAGGAAAACACTCTTTCCTAATCTGGTT
GTCATGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC218783 protein sequence
Red=Cloning site Green=Tags(s)

MVGDTLKLLSPLMTRYFFLLFYSTDSSDLNENQHPLDFDEMAFGVKVSGISFLIQTGVGILGNSFLLCFY
 NLILFTGHKLRPTDLILSQLALANSMVLFFKGIPQTMAAFGLKYLLNDTGCKFVYYHRVGTTRVSLSTIC
 LLNGFQAIKLNPSICRWMEIKIRSPRFIDFCLLCWAPHVLMNASVLLL VNGPLNSKNSSAKNNYGYCSY
 KASKRFSSLHAVLYFSPDFMSLGFMVWASGSMVFFLYRHKQQVQHNHSNRLSCRPSQEARATHTIMVLVS
 SFFVYFYSVHSFLTITWTTVVANPGQWIVTNSVLVASCFFPARSPFVLIIMSDTHISQFCACRTRKTLFPNLV
 VMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6454_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_020633

ORF Size: 1059 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_020633.3](#)

RefSeq Size: 1566 bp

RefSeq ORF: 1062 bp

Locus ID: 57191

UniProt ID: [Q9GZP7](#)

Cytogenetics: 19q13.43

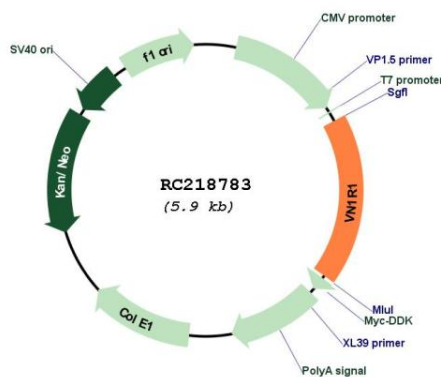
Domains: V1R

Protein Families: Druggable Genome, GPCR, Transmembrane

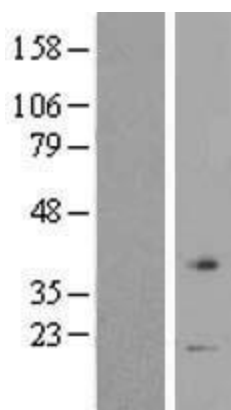
MW: 40 kDa

Gene Summary: Pheromones are chemical signals that elicit specific behavioral responses and physiologic alterations in recipients of the same species. The protein encoded by this gene is similar to pheromone receptors and is primarily localized to the olfactory mucosa. An alternate splice variant of this gene is thought to exist, but its full length nature has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC218783



Western blot validation of overexpression lysate (Cat# [LY412427]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218783 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).