

Product datasheet for MR201824

Vsn1 (NM_012038) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vsn1 (NM_012038) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vsn1
Synonyms: VILIP; Vns1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201824 representing NM_012038
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAAACAGAATAGCAAACCTGGCCCCAGAAGTCATGGAGGACCTGGTGAAGAGCACTGAGTTCAATG
 AGCATGAGCTTAAGCAGTGGTACAAGGGCTTCTCAAGGACTGTCCGAGCGGGAGGCTGAACCTCGAGGA
 GTTCCAGCAGCTCTATGTGAAGTCTTCCCCTATGGAGATGCCTCCAAGTTCGCGCAGCACGCCTCCGC
 ACCTTCGACAAGAACGGTATGGCACCATCGATTTCCGAGAGTTCATCTGTGCCCTGTCCATCACCTCCA
 GAGGTAGCTTTGAGCAGAACTGAAGTGGCTTTCAACATGTATGATCTGGACGGTGACGGCAAGATCAC
 CCGAGTGGAGATGCTGGAGATTATCGAGGCTATCTACAAAATGGTGGGCACCGTGATCATGATGAAAATG
 AATGAGGATGGCCTGACGCTGAACAGCGGGTGGACAAGATTTTCAGCAAGATGGATAAGAACAAGATG
 ACCAGATTACACTGGATGAATCAAAGAAGCTGCAAAAAGCGACCCTTCCATTGTATTACTTCTGCAGTG
 TGACATTCAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201824 representing NM_012038
 Red=Cloning site Green=Tags(s)

MGKQNSKLAPEVMEDLVKSTEFNEHELKQWYKGLKDCPSGRLNLEEFQQLYVKFFPYGDASKFAQHAFR
 TFDKNGDGTIDFREFICALSITSRGSFEQKLNWAFNMYDLDDGDKITRVEMLIEIEAIYKMGVTVIMMKM
 NEDGLTPEQRVDKIFSKMDKNKDDQITLDEFKEAAKSDPSIVLLQLQCDIQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/mm9042_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012038

ORF Size: 573 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_012038.5](#)

RefSeq Size: 1951 bp

RefSeq ORF: 576 bp

Locus ID: 26950

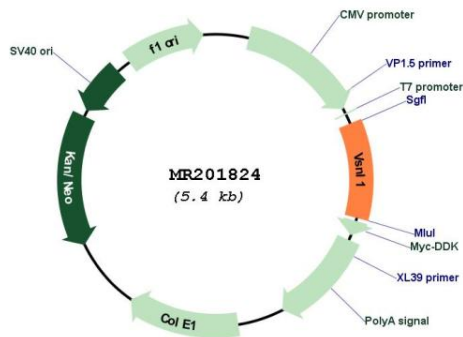
UniProt ID: [P62761](#)

Cytogenetics: 12 A1.1

MW: 22.6 kDa

Gene Summary: Regulates (in vitro) the inhibition of rhodopsin phosphorylation in a calcium-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201824