

Product datasheet for **SC320966**

Viperin (RSAD2) (NM_080657) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Viperin (RSAD2) (NM_080657) Human Untagged Clone
Tag: Tag Free
Symbol: Viperin
Synonyms: cig5; cig33; vlg1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_080657.4
GCTCTGCTCCAGGCATCTGCCACAATGTGGGTGCTTACACCTGCTGCTTTTGGCTGGGAAG
CTCTTGAGTGTGTTTCAGGCAACCTCTGAGCTCTCTGTGGAGGAGCCTGGTCCCGCTGTC
TGCTGGCTGAGGGCAACCTTCTGGCTGCGAGCTACCAAGAGGAGAAAGCAGCAGCTGGTC
CTGAGAGGGCCAGATGAGACCAAAGAGGAGGAAGAGGACCTCCTCTGCCACCACCCCA
ACCAGCGTCAACTATCACTTCACTCGCCAGTGCAACTACAAATGCGGCTTCTGTTCCAC
ACAGCCAAAACATCCTTTGTGCTGCCCTTGTAGGAAGCAAAGAGAGGATTGCTTTTGGCT
AAGGAAGTGGTATGGAGAAGATCAACTTTTCAGGTGGAGAGCCATTTCTTCAAGACCGG
GGAGAATACCTGGGCAAGTTGGTGGAGTTCTGCAAAGTAGAGTTGCGGCTGCCAGCGTG
AGCATCGTGAGCAATGGAAGCCTGATCCGGGAGAGGTGGTTCCAGAATTATGGTGAGTAT
TTGGACATTCTCGCTATCTCCTGTGACAGCTTTGACGAGGAAGTCAATGCCTTATTGGC
CGTGGCCAAGGAAAGAAGAACCATGTGGAAAACCTTCAAAGCTGAGGAGGTGGTGTAGG
GATTATAGAGTCGCTTTCAAGATAAATTCTGTCATTAATCGTTTCAACGTGGAAGAGGAC
ATGACGGAAACAGATCAAAGCACTAAACCCTGTCCGCTGGAAAAGTGTCCAGTGCCTCTTA
ATTGAGGGTGAGAATTGTGGAGAAGATGCTCTAAGAGAAGCAGAAAGATTGTTATTGGT
GATGAAGAATTTGAAAGATTCTTGGAGCGCCACAAAGAAGTGTCTGCTTGGTGCCTGAA
TCTAACCAAGAAGATGAAAGACTCCTACCTATTCTGGATGAATATATGCGCTTTCTGAAC
TGTAGAAAAGGGACGGAAGGACCCCTCCAAGTCCATCCTGGATGTTGGTGTAGAAGAAGCT
ATAAAATTCAGTGGATTGATGAAAAGATGTTTCTGAAGCGAGGAGGAAAATACATATGG
AGTAAGGCTGATCTGAAGCTGGATTGGTAGAGCGGAAAAGTGAACGAGACTTCAACACAC
CAGTGGGAAAACCTCTAGAGTAACCTGCCATTGTCTGCAATACTATCCCGTTGGTATTTC
CAGTGGCTGAAAACCTGATTTTCTGCTGCACGTGGCATCTGATTACCTGTGGTCACTGAA
CACACGAATAACTTGGATAGCAAATCCTGAGACAATGGAAAACCATTAACCTTACTTCAT
TGGCTTAAACCTTGTGTTATTGAAACAGCACTTCTGTTTTTGAGTTTGTGTTTAGCTAA
AAAGAAGGAATACACACAGGAATAATGACCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AA



[View online »](#)

Restriction Sites:	Please inquire
ACCN:	NM_080657
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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:	<u>NM_080657.4</u> , <u>NP_542388.2</u>
RefSeq Size:	3512 bp
RefSeq ORF:	1086 bp
Locus ID:	91543
UniProt ID:	<u>Q8WYG1</u>
Cytogenetics:	2p25.2
Domains:	Elp3, Radical_SAM
Gene Summary:	The protein encoded by this gene is an interferon-inducible antiviral protein that belongs to the S-adenosyl-L-methionine (SAM) superfamily of enzymes. The protein plays a role in cellular antiviral response and innate immune signaling. Antiviral effects result from inhibition of viral RNA replication, interference in the secretory pathway, binding to viral proteins and dysregulation of cellular lipid metabolism. The protein has been found to inhibit both DNA and RNA viruses, including influenza virus, human immunodeficiency virus (HIV-1) and Zika virus. [provided by RefSeq, Sep 2020]