

Product datasheet for **SC120395**

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; vig1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120395 sequence for NM_080657 edited (data generated by NextGen Sequencing)

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ATGTGGGTGCTTACACCTGCTGCTTTTGCTGGGAAGCTCTTGAGTGTGTTTCAGGCAACCT
CTGAGCTCTCTGTGGAGGAGCCTGGTCCCGCTGTTCTGCTGGCTGAGGGCAACCTTCTGG
CTGCTAGCTACCAAGAGGAGAAAAGCAGCAGCTGGTCTGAGAGGGCCAGATGAGACCAAAA
GAGGAGGAAGAGGACCCTCCTCTGCCACCACCCCAACCGTCAACTATCACTTCACT
CGCCAGTGCAACTACAAATGCGGCTTCTGTTTCCACACAGCCAAAACATCCTTTGTGCTG
CCCCTTGAGGAAGCAAAGAGAGGATTGCTTTTGCTTAAGGAAGCTGGTATGGAGAAGATC
AACTTTTCAGGTGGAGAGCCATTTCTTCAAGACCGGGGAGAATACCTGGGCAAGTTGGTG
AGGTTCTGCAAAGTAGAGTTGCGGCTGCCAGCGTGAGCATCGTGAGCAATGGAAGCCTG
ATCCGGGAGAGGTGGTTCCAGAATTATGGTGAGTATTTGGACATCTCGCTATCTCCTGT
GACAGCTTTGACGAGGAAGTCAATGTCCTTATTGGCCGTGGCCAAGGAAAGAAGAACCAT
GTGAAAACCTTCAAAGCTGAGGAGGTGGTGTAGGGATTATAGAGTCGCTTTCAAGATA
AATTCTGTCATTAATCGTTTCAACGTGGAAGAGGACATGACGGAACAGATCAAAGCACTA
AACCTGTCCGCTGGAAGTGTCCAGTGCCTCTTAATTGAGGGTGAGAAATTTGGGAGAA
GATGCTCTAAGAGAAGCAGAAAGATTTGTTATTGGTGATGAAGAAATTTGAAAGATTTTG
GAGCGCCACAAAGAAGTGCCTGCTTGGTGCCTGAATCTAACCAGAAGATGAAAGACTCC
TACCTTATTCTGGATGAATATATGCGCTTCTGAACTGTAGAAAGGGACGGAAGGACCCT
TCCAAGTCCATCCTGGATGTTGGTGTAGAAGAAGCTATAAAATTCAGTGGATTTGATGAA
AAGATGTTTCTGAAGCGAGGAGGAAAATACATATGGAGTAAGGCTGATCTGAAGCTGGAT
TGGTAG

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Clone variation with respect to NM_080657.4



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080657 unedited GGGTTGTTCAAATTTTCGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGCACAA TGTGGGTGCTTACACCTGCTGCTTTTGCTGGGAAGCTCTTGAGTGTGTTTCAGGCAACCTC TGAGCTCTCTGTGGAGGAGCCTGGTCCCCTGTTCTGCTGGCTGAGGGCAACCTTCTGGC TGCTAGCTACCAAGAGGAGAAAGCAGCAGCTGGTCTGAGAGGGCCAGATGAGACCAAAG AGGAGGAAGAGGACCCTCCTGCCCCACCACCCAACCAGCGTCAACTATCACTTCACTC GCCAGTGCAACTACAAATGCGGCTTCTGTTTCCACACAGCCAAAACATCCTTTGTGCTGC CCCTTGAGGAAGCAAAGAGAGGATTGCTTTTGCTTAAGGAAGCTGGTATGGAGAAGATCA ACTTTTCAGGTGGAGAGCCATTTCTTCAAGACCGGGGAGAATACCTGGGCAAGTTGGTGA GGTTCTGCAAAGTAGAGTTGCGGCTGCCAGCGTGAGCATCGTGAGCAATGGAAGCCTGA TCCGGGAGAGGTGGTTCCAGAATTATGGTGAGTATTTGGACATTCTCGCTATCTCCTGTG ACAGCTTTGACGAGGAAGTCAATGTCCTTATTGGCCGTGGCCAAGGAAAGAAGAACCATG TGGAAAACCTTCAAAGCTGAGGAGGTGGTGTAGGGATTATAGAGTCGCTNTCAAGATAA ATTCTGTCATTAATCGTTTCAACGTGGAAGAGGACATGACGGAACAGATCANAGCACTAA ACCCTGTCGCTGGANAGTGTTCCAGTGCCTTAATTGAGGGTGAGAATTGTGGAGAAG ATGCTCNTAGAGAAGCAGAAGATTGTTATTGGTGATGAAGAAATTGAAAGATTCTTGAG CGCACAAGAAGTGTCTGCTTGGTGCCCTGATCTAC
Restriction Sites:	NotI-NotI
ACCN:	NM_080657
Insert Size:	2350 bp
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).
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:	NM_080657.3 , NP_542388.2
RefSeq Size:	2853 bp
RefSeq ORF:	1086 bp
Locus ID:	91543
UniProt ID:	Q8WXG1
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]