

## Product datasheet for TP305066

### Viperin (RSAD2) (NM\_080657) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human radical S-adenosyl methionine domain containing 2 (RSAD2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205066 protein sequence Red=Cloning site Green=Tags(s)

MWVLTAAAFAGKLLSVFRQPLSSLRSLVPLFCWLRATFWLRATKRRKQQLVLRGPDETKEEEEDPPLPT  
TPTSVNYHFTRQCNYKCGFCFHTAKTSFVLPLEEAKRGLLLLKEAGMEKINFSGGEPFLQDRGEYLGKLV  
RFCKVELRLPSVSVSNGSLIRERWFQNYGEYLDILAISCDSDVEEVNVLIGRGQGKKNHVENLQKLRRW  
CRDYRVAFKINSVINRFNVEEDMTEQIKALNPVRWKVFQCLLIEGENCGEDALREAERFVIGDEEFERFL  
ERHKEVSCLVPESNQMKDSYLILDEYMRFLNCRKGRKDPSKSILDVGVVEEAIKFSGFDEKMFLLKRGKY  
IWSKADLKLDW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	42 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_542388</a></u>

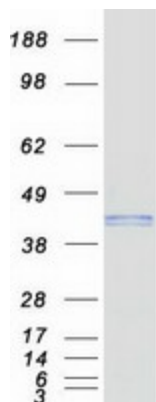


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Locus ID:	91543
UniProt ID:	<a href="#">Q8WXG1</a>
RefSeq Size:	3512
Cytogenetics:	2p25.2
RefSeq ORF:	1083
Synonyms:	cig5; cig33; vig1

**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]

### Product images:



Coomassie blue staining of purified RSAD2 protein (Cat# TP305066). The protein was produced from HEK293T cells transfected with RSAD2 cDNA clone (Cat# [RC205066]) using MegaTran 2.0 (Cat# [TT210002]).