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Product datasheet for PH305066

Viperin (RSAD2) (NM_080657) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RSAD2 MS Standard C13 and N15-labeled recombinant protein (NP_542388)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205066
Predicted MW:	42.2 kDa
Protein Sequence:	>RC205066 protein sequence Red=Cloning site Green=Tags(s) MWVLTPAAFAGKLLSVFRQPLSSLWRSLVPLFCWLRATFWLRATKRRKQQLVLRGPDETKEEEEDPPLPT TPTSVNYHFTRQCNYKCGFCFHTAKTSFVLPLEEAKRGLLLLKEAGMEKINFSGGEPFLQDRGEYLGKLV RFCKVELRLPSVSIVSNGSLIRERWFQNYGEYLDILAISCDSFDEEVNVLIGRGQGKKNHVENLQKLRRW CRDYRVAFKINSVINRFNVEEDMTEQIKALNPVRWKVFQCLLIEGENCGEDALREAERFVIGDEEFERFL ERHKEVSCLVPESNQKMKDSYLILDEYMRFLNCRKGRKDPSKSILDVGVEEAIKFSGFDEKMFLKRGGKY IWSKADLKLDW TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_542388
RefSeq Size:	3512
RefSeq ORF:	1083
Synonyms:	cig5; cig33; vig1
Locus ID:	91543

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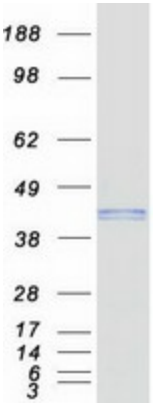
UniProt ID: Q8WXG1

Cytogenetics: 2p25.2

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]).