

Product datasheet for **TP505564**

Rsad2 (NM_021384) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse radical S-adenosyl methionine domain containing 2 (Rsad2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205564 protein sequence Red =Cloning site Green =Tags(s)
	<p>MGMLVPTALAARLLSLFQQQLGSLWSGLAILFCWLRIALGWLDPGKEQPQVRGELEETQETQEDGNSTQR TTPVSVNYHFTRQCNYKCGFCFHTAKTSFVLPLEEAKRGLLLKQAGLEKINFSGGEPFLQDRGEYLGKL VRFCKEELALPSVSIVSNGSLIRERWFKDYGEYLDILAISCDSEQVNALIGRGGKKNHVENLQKLRR WCRDYKVAFKINSVINRFNVEDMNEHIKALSPVRWKVFQCLLIEGENSGEDALREAERFLISNEEFETF LERHKEVSCLVPESNQMKKDSYLILDEYMRFLNCTGGRKDPSKSILDVGVVEAIKFSGFDEKMFLLKRGKK YVWSKADLKLDW</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	41.6 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
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 after receiving vials.
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:	NP_067359
Locus ID:	58185
UniProt ID:	Q8CBB9



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RefSeq Size: 3785

Cytogenetics: 12 A2

RefSeq ORF: 1089

Synonyms: 2510004L01Rik; cig5; Vig1

Summary: Interferon-inducible iron-sulfur (4FE-4S) cluster-binding antiviral protein which plays a major role in the cell antiviral state induced by type I and type II interferon. Can inhibit a wide range of viruses, including west Nile virus (WNV), dengue virus, sindbis virus, influenza A virus, sendai virus and vesicular stomatitis virus (VSV). Displays antiviral activity against influenza A virus by inhibiting the budding of the virus from the plasma membrane by disturbing the lipid rafts. This is accomplished, at least in part, through binding and inhibition of the enzyme farnesyl diphosphate synthase (FPPS), which is essential for the biosynthesis of isoprenoid-derived lipids. Promotes TLR7 and TLR9-dependent production of IFN-beta production in plasmacytoid dendritic cells (pDCs) by facilitating Lys-63'-linked ubiquitination of IRAK1. Plays a role in CD4+ T-cells activation and differentiation. Facilitates T-cell receptor (TCR)-mediated GATA3 activation and optimal T-helper 2 (Th2) cytokine production by modulating NFKB1 and JUNB activities. Can inhibit secretion of soluble proteins.[UniProtKB/Swiss-Prot Function]