

# Product datasheet for TL506419

## Mb21d1 Mouse shRNA Plasmid (Locus ID 214763)

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:shRNA PlasmidsProduct Name:Mb21d1 Mouse shRNA Plasmid (Locus ID 214763)Locus ID:214763Synonyms:E330016A19Rik; Mb21d1Vector:pGFP-CshLenti (TR30023)E. coli Selection:Chloramphenicol (34 ug/ml)Mammalian Cell Selection:PuromycinFormat:Lentiviral plasmidsComponents:Mb21d1 - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 214763), 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.RefSeq:BC052196, NM 173386, NR 125721, NM 1733861, NM 1733863, NM 1733864, NM 1733865, BC005787, BC044854, BC145651, BC145653UniProt ID:Q8C6L5Summary:The protein encoded by this gene is a DNA binding cytosolic protein that catalyzes the synthesis of cyclic guanosine monophosphate-adenosine monophosphate(GGAMP) after sensing the presence of DNA in the cytoplasm. GGAMP binds another protein, Stimulator of interferon genes (STING), leading to the induction of interferons, and a host immune response. Reduced expression of this gene inhibits interferon induction in the presence of some viral infections. Alternative splicing results in multiple splice variants at this gene locus. To section that your variant of interest is targeted, please contact techsupport@origene.com bic ecrtain that your variant of interest is targeted, please utilize our <u>custom shRNA sequence</u> , please utilize our <u>custom shRNA sequence</u>		
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### **GRIGENE** Mb21d1 Mouse shRNA Plasmid (Locus ID 214763) – TL506419

Performance Guaranteed: OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

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