

Product datasheet for **MR213022L3V**

Mb21d1 (Cgas) (NM_173386) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Mb21d1 (Cgas) (NM_173386) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cgas
Synonyms:	E330016A19Rik; Mb21d1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_173386
ORF Size:	1524 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR213022).
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_173386.4
RefSeq Size:	4090 bp
RefSeq ORF:	1524 bp



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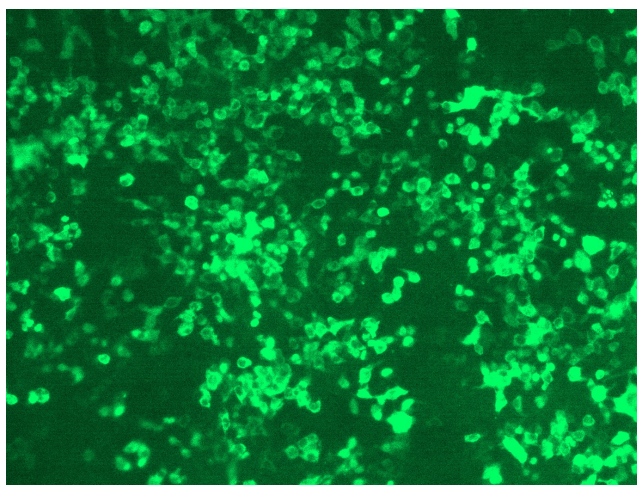
Locus ID: 214763

UniProt ID: [Q8C6L5](#)

Cytogenetics: 9 E1

Gene Summary: The protein encoded by this gene is a DNA binding cytosolic protein that catalyzes the synthesis of cyclic guanosine monophosphate-adenosine monophosphate (cGAMP) after sensing the presence of DNA in the cytoplasm. cGAMP 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 transcript variants. [provided by RefSeq, Jul 2014]

Product images:



[MR213022L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR213022L3V particle to overexpress human Cgas-Myc-DDK fusion protein.