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Product datasheet for MR216879L2V

Def6 (NM_027185) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Def6 (NM_027185) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Def6
Synonyms:	2410003F05Rik; 6430538D02Rik; AV094905; Ibp; Slat; Slat2; Slat6
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_027185
ORF Size:	1893 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216879).
OTI Disclaimer:	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
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_027185.3, NP_081461.2
RefSeq Size:	2294 bp
RefSeq ORF:	1893 bp
Locus ID:	23853
UniProt ID:	Q8C2K1
Cytogenetics:	17 A3.3

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Gene Summary: Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which plays a role in the activation of Rho GTPases RAC1, RhoA and CDC42. Can regulate cell morphology in cooperation with activated RAC1. Plays a role in Th2 (T helper cells) development and/or activation, perhaps by interfering with ZAP70 signaling. Required for optimal T-cell effector function, lymphocyte homeostasis and the prevention of systemic autoimmunity (By similarity).[UniProtKB/Swiss-Prot Function]