

Product datasheet for **MR221176L4V**

Rnf43 (NM_172448) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

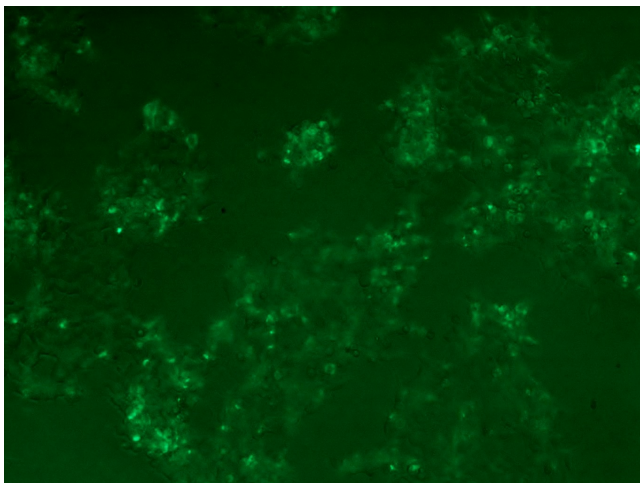
Product Type:	Lentiviral Particles
Product Name:	Rnf43 (NM_172448) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rnf43
Synonyms:	4732452J19Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172448
ORF Size:	2352 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221176).
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_172448.3 , NP_766036.2
RefSeq Size:	4336 bp
RefSeq ORF:	2355 bp
Locus ID:	207742
UniProt ID:	Q5NCP0
Cytogenetics:	11 C



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Gene Summary:

E3 ubiquitin-protein ligase that acts as a negative regulator of the Wnt signaling pathway by mediating the ubiquitination, endocytosis and subsequent degradation of Wnt receptor complex components Frizzled. Acts on both canonical and non-canonical Wnt signaling pathway (PubMed:22895187). Along with RSPO2 and ZNRF3, constitutes a master switch that governs limb specification (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

[MR221176L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR221176L4V particle to overexpress human Rnf43-mGFP fusion protein.