

Product datasheet for **MR211575L4V**

MIIt10 (NM_010804) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MIIt10 (NM_010804) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	MIIt10
Synonyms:	Af10; B130021D15Rik; D630001B22Rik; mKIAA4140
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010804
ORF Size:	3207 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211575).
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_010804.3
RefSeq Size:	4940 bp
RefSeq ORF:	3207 bp
Locus ID:	17354
UniProt ID:	O54826
Cytogenetics:	2 A3



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Gene Summary:

Probably involved in transcriptional regulation. Binds to cruciform DNA (By similarity). In cells, binding to unmodified histone H3 regulates DOT1L functions including histone H3 'Lys-79' dimethylation (H3K79me2) and gene activation (By similarity).[UniProtKB/Swiss-Prot Function]