

## Product datasheet for **MR205775L4V**

### **Mecr (NM\_025297) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Mecr (NM_025297) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mecr
Synonyms:	A1195831; NRBF-1; Nrbf1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025297
ORF Size:	1122 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205775).
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. <a href="#">More info</a>
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:	<a href="#">NM_025297.1</a> , <a href="#">NP_079573.1</a> , <a href="#">NP_079573.2</a>
RefSeq Size:	1337 bp
RefSeq ORF:	1122 bp
Locus ID:	26922
UniProt ID:	<a href="#">Q9DCS3</a>
Cytogenetics:	4 D2.3



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**Gene Summary:**

Catalyzes the NADPH-dependent reduction of trans-2-enoyl thioesters in mitochondrial fatty acid synthesis (fatty acid synthesis type II). Fatty acid chain elongation in mitochondria uses acyl carrier protein (ACP) as an acyl group carrier, but the enzyme accepts both ACP and CoA thioesters as substrates in vitro. Has a preference for short and medium chain substrates, including trans-2-hexenoyl-CoA (C6), trans-2-decenoyl-CoA (C10), and trans-2-hexadecenoyl-CoA (C16).[UniProtKB/Swiss-Prot Function]