

## Product datasheet for **MR220323L3V**

### **Fdx1 (NM\_007996) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Fdx1 (NM_007996) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Fdx1
Synonyms:	ADRE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_007996
ORF Size:	567 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220323).
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_007996.1</a> , <a href="#">NP_032022.1</a>
RefSeq Size:	1227 bp
RefSeq ORF:	567 bp
Locus ID:	14148
UniProt ID:	<a href="#">P46656</a>
Cytogenetics:	9 A5.3



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**Gene Summary:**

Ferredoxins are iron-sulfur proteins that facilitate monooxygenase reactions catalyzed by P450 enzymes. The protein encoded by this gene is present in the mitochondrial matrix and transfers electrons from ferredoxin reductase to steroidogenic mitochondrial cytochrome P450 proteins. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]