

Product datasheet for **MR207428L3V**

Riox2 (NM_025910) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Riox2 (NM_025910) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Riox2
Synonyms:	1810047J07Rik; 2410057H13Rik; 3830408E23Rik; AI449204
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_025910
ORF Size:	1398 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207428).
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_025910.2 , NP_080186.2
RefSeq Size:	2159 bp
RefSeq ORF:	1398 bp
Locus ID:	67014
UniProt ID:	Q8CD15
Cytogenetics:	16 C1.3


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Gene Summary:

Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Is involved in the demethylation of trimethylated 'Lys-9' on histone H3 (H3K9me3), leading to an increase in ribosomal RNA expression. Also catalyzes the hydroxylation of 60S ribosomal protein L27a on 'His-39' (By similarity). May play an important role in cell growth and survival. May be involved in ribosome biogenesis, most likely during the assembly process of pre-ribosomal particles.[UniProtKB/Swiss-Prot Function]