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Product datasheet for MR215477L3V

Aox4 (NM_023631) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aox4 (NM_023631) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aox4
Synonyms:	2310003G12Rik; Aoh2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_023631
ORF Size:	4011 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR215477).`
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_023631.2, NP_076120.2
RefSeq Size:	4976 bp
RefSeq ORF:	4011 bp
Locus ID:	71872
UniProt ID:	Q3TYQ9
Cytogenetics:	1 28.97 cM

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Gene Summary: Aldehyde oxidase able to catalyze the oxidation of retinaldehyde into retinoate. Is responsible for the major all-trans-retinaldehyde-metabolizing activity in the Harderian gland, and contributes a significant amount of the same activity in the skin. Is devoid of pyridoxal-oxidizing activity, in contrast to the other aldehyde oxidases. Acts as a negative modulator of the epidermal trophism. May be able to oxidize a wide variety of aldehydes into their corresponding carboxylates and to hydroxylate azaheterocycles.[UniProtKB/Swiss-Prot Function]