

Product datasheet for **MR205632L4V**

Idh3a (NM_029573) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Idh3a (NM_029573) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Idh3a
Synonyms:	1110003P10Rik; 1500012E04Rik; AA407078; AI316514
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029573
ORF Size:	1101 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205632).
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_029573.2 , NP_083849.1
RefSeq Size:	2418 bp
RefSeq ORF:	1101 bp
Locus ID:	67834
UniProt ID:	Q9D6R2
Cytogenetics:	9 A5.3



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Gene Summary:

Catalytic subunit of the enzyme which catalyzes the decarboxylation of isocitrate (ICT) into alpha-ketoglutarate. The heterodimer composed of the alpha (IDH3A) and beta (IDH3B) subunits and the heterodimer composed of the alpha (IDH3A) and gamma (IDH3G) subunits, have considerable basal activity but the full activity of the heterotetramer (containing two subunits of IDH3A, one of IDH3B and one of IDH3G) requires the assembly and cooperative function of both heterodimers.[UniProtKB/Swiss-Prot Function]