

## Product datasheet for **MR205632L3V**

### 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-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| 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. <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_029573.2</a> , <a href="#">NP_083849.1</a>  |
| RefSeq Size:              | 2418 bp  |
| RefSeq ORF:               | 1101 bp  |
| Locus ID:                 | 67834  |
| UniProt ID:               | <a href="#">Q9D6R2</a>   |
| 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]