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# Product datasheet for MR204703L3V

## Olig2 (NM_016967) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Olig2 (NM_016967) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Olig2 |
| **Synonyms:** | AI604895; Bhlhb1; bHLHe19; Olg-2; Oligo2; RK17 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_016967 |
| **ORF Size:** | 969 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR204703). |
| **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_016967.2, NP_058663.2 |
| **RefSeq Size:** | 2462 bp |
| **RefSeq ORF:** | 972 bp |
| **Locus ID:** | 50913 |
| **UniProt ID:** | Q9EQW6 |
| **Cytogenetics:** | 16 52.6 cM |

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**Gene Summary:** Required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain (PubMed:11955448, PubMed:12121626, PubMed:16908628). Functions together with ZNF488 to promote oligodendrocyte differentiation (PubMed:16908628). Cooperates with OLIG1 to establish the pMN domain of the embryonic neural tube (PubMed:11955448, PubMed:12121626). Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development (PubMed:11955448, PubMed:12121626).[UniProtKB/Swiss-Prot Function]