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# Product datasheet for MR205933L3V

## Fos (NM_010234) Mouse Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Fos (NM_010234) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Fos |
| **Synonyms:** | c-fos; cFos; D12Rfj1 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_010234 |
| **ORF Size:** | 1140 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR205933). |
| **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_010234.2 |
| **RefSeq Size:** | 2107 bp |
| **RefSeq ORF:** | 1143 bp |
| **Locus ID:** | 14281 |
| **UniProt ID:** | P01101 |
| **Cytogenetics:** | 12 39.7 cM |

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**Gene Summary:** Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex, at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling (By similarity). Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function]