

Product datasheet for **MR227054L4V**

Igf1 (NM_001111274) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Igf1 (NM_001111274) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Igf1 |
| Synonyms: | C730016P09Rik; Igf; Igf-; Igf-1; Igf-I |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001111274 |
| ORF Size: | 429 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR227054). |
| 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_001111274.1 , NP_001104744.1 |
| RefSeq Size: | 7039 bp |
| RefSeq ORF: | 432 bp |
| Locus ID: | 16000 |
| Cytogenetics: | 10 43.7 cM |



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Gene Summary:

This gene encodes a member of the insulin-like growth factor (IGF) family of proteins that promote growth and development during fetal and postnatal life. This gene is predominantly expressed in the liver and the encoded protein undergoes proteolytic processing to generate a disulfide-linked mature polypeptide. Transgenic disruption of this gene in mice results in reduced postnatal survival and severe growth retardation. Mice lacking the encoded protein exhibit generalized organ hypoplasia including underdevelopment of the central nervous system and developmental defects in bone, muscle and reproductive systems. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Sep 2015]