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Product datasheet for MR227054L3V

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-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
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]