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Product datasheet for MR223626L1V

Igf2 (NM_010514) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Igf2 (NM_010514) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Igf2
Synonyms:	AL033362; Igf; Igf-; Igf-2; Igf-II; M; M6; M6pr; Mpr; Peg; Peg2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_010514
ORF Size:	573 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR223626).`
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_010514.3, NP_034644.2
RefSeq Size:	4038 bp
RefSeq ORF:	576 bp
Locus ID:	16002
UniProt ID:	P09535
Cytogenetics:	7 87.99 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. It is an imprinted gene that is expressed only from the paternal allele. The encoded protein undergoes proteolytic processing to generate a mature peptide. The transgenic overexpression of this gene in mice results in prenatal overgrowth, polyhydramnios, fetal and neonatal lethality, disproportionate organ overgrowth including tongue enlargement, and skeletal abnormalities. Mice lacking the encoded protein exhibit growth deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar processing to generate mature protein. [provided by RefSeq, Oct 2015]