

Product datasheet for **MR227067L4V**

Insr (NM_010568) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Insr (NM_010568) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Insr
Synonyms:	4932439J01Rik; CD220; D630014A15Rik; I; IR; IR-A; IR-B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010568
ORF Size:	4116 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227067).
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_010568.2
RefSeq Size:	9357 bp
RefSeq ORF:	4119 bp
Locus ID:	16337
UniProt ID:	P15208
Cytogenetics:	8 1.82 cM



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Gene Summary:

This gene encodes a member of the receptor tyrosine kinase family of transmembrane signaling proteins that play important roles in cell differentiation, growth and metabolism. The encoded preproprotein undergoes proteolytic processing to generate alpha and beta chains that form a disulfide-linked heterodimer which, in turn homodimerizes to form a mature, functional receptor. Mice lacking the encoded protein develop severe hyperglycemia and hyperketonemia, and die within a couple of days after birth as a result of diabetic ketoacidosis. [provided by RefSeq, Aug 2016]