

## Product datasheet for **MR226148L4V**

### Irs1 (NM\_010570) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Irs1 (NM_010570) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Irs1
Synonyms:	G972R; IRS-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010570
ORF Size:	3693 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226148).
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. <a href="#">More info</a>
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:	<a href="#">NM_010570.4</a> , <a href="#">NP_034700.2</a>
RefSeq Size:	9163 bp
RefSeq ORF:	3696 bp
Locus ID:	16367
UniProt ID:	<a href="#">P35569</a>
Cytogenetics:	1 42.0 cM



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**Gene Summary:**

May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit (By similarity).[UniProtKB/Swiss-Prot Function]