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Product datasheet for RC212413L3V

IRS2 (NM_003749) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IRS2 (NM_003749) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IRS2
Synonyms:	IRS-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003749
ORF Size:	4014 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212413).
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_003749.2
RefSeq Size:	7014 bp
RefSeq ORF:	4017 bp
Locus ID:	8660
UniProt ID:	Q9Y4H2
Cytogenetics:	13q34
Protein Families:	Druggable Genome

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Protein Pathways:	Adipocytokine signaling pathway, Insulin signaling pathway, Neurotrophin signaling pathway, Type II diabetes mellitus
MW:	137.3 kDa
Gene Summary:	This gene encodes the insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. The product of this gene is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment. [provided by RefSeq, Jul 2008]