

## Product datasheet for **RC205274L3V**

### INSIG2 (NM\_016133) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	INSIG2 (NM_016133) Human Tagged ORF Clone Lentiviral Particle
Symbol:	INSIG2
Synonyms:	INSIG-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_016133
ORF Size:	675 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205274).
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_016133.2</a>
RefSeq Size:	2592 bp
RefSeq ORF:	678 bp
Locus ID:	51141
UniProt ID:	<a href="#">Q9Y5U4</a>
Cytogenetics:	2q14.1-q14.2
Protein Families:	Transmembrane
MW:	24.8 kDa



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**Gene Summary:**

The protein encoded by this gene is highly similar to the protein product encoded by gene INSIG1. Both INSIG1 protein and this protein are endoplasmic reticulum proteins that block the processing of sterol regulatory element binding proteins (SREBPs) by binding to SREBP cleavage-activating protein (SCAP), and thus prevent SCAP from escorting SREBPs to the Golgi. [provided by RefSeq, Jul 2008]