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Product datasheet for RC203452L3V

ISYNA1 (NM_016368) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ISYNA1 (NM_016368) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ISYNA1
Synonyms:	INO1; INOS; IPS; IPS-1; IPS 1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_016368
ORF Size:	1674 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC203452).`
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_016368.3
RefSeq Size:	2427 bp
RefSeq ORF:	1677 bp
Locus ID:	51477
UniProt ID:	Q9NPH2
Cytogenetics:	19p13.11
Domains:	Inos-1-P_synth
Protein Families:	Druggable Genome

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Protein Pathways: Inositol phosphate metabolism, Metabolic pathways

MW: 61.1 kDa

Gene Summary: This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 4. [provided by RefSeq, Nov 2011]