

## Product datasheet for **RC202845L3V**

### THG1L (NM\_017872) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	THG1L (NM_017872) Human Tagged ORF Clone Lentiviral Particle
Symbol:	THG1L
Synonyms:	hTHG1; ICF45; IHG-1; IHG1; SCAR28; THG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017872
ORF Size:	894 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202845).
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_017872.3</a>
RefSeq Size:	1320 bp
RefSeq ORF:	897 bp
Locus ID:	54974
UniProt ID:	<a href="#">Q9NWX6</a>
Cytogenetics:	5q33.3
MW:	34.8 kDa


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**Gene Summary:**

The protein encoded by this gene is a mitochondrial protein that is induced by high levels of glucose and is associated with diabetic nephropathy. The encoded protein appears to increase mitochondrial biogenesis, which could lead to renal fibrosis. Another function of this protein is that of a guanylttransferase, adding GMP to the 5' end of tRNA(His). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]