

## Product datasheet for **RC223360L2V**

### TLL1 (NM\_012464) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TLL1 (NM_012464) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TLL1
Synonyms:	ASD6; TLL
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_012464
ORF Size:	3039 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223360).
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_012464.3</a>
RefSeq Size:	6654 bp
RefSeq ORF:	3042 bp
Locus ID:	7092
UniProt ID:	<a href="#">O43897</a>
Cytogenetics:	4q32.3
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	114.5 kDa



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**Gene Summary:**

This gene encodes an astacin-like, zinc-dependent, metalloprotease that belongs to the peptidase M12A family. This protease processes procollagen C-propeptides, such as chordin, pro-biglycan and pro-lysyl oxidase. Studies in mice suggest that this gene plays multiple roles in the development of mammalian heart, and is essential for the formation of the interventricular septum. Allelic variants of this gene are associated with atrial septal defect type 6. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]