

## Product datasheet for **RC214667L4V**

### TMLHE (NM\_018196) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TMLHE (NM_018196) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TMLHE
Synonyms:	AUTSX6; BBOX2; TMLD; TMLH; TMLHED; XAP130
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018196
ORF Size:	1263 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214667).
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_018196.3</a>
RefSeq Size:	3961 bp
RefSeq ORF:	1266 bp
Locus ID:	55217
UniProt ID:	<a href="#">Q9NVH6</a>
Cytogenetics:	Xq28
Domains:	Gamma-BBH
Protein Pathways:	Lysine degradation


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**MW:** 50 kDa

**Gene Summary:** This gene encodes the protein trimethyllysine dioxygenase which is the first enzyme in the carnitine biosynthesis pathway. Carnitine play an essential role in the transport of activated fatty acids across the inner mitochondrial membrane. The encoded protein converts trimethyllysine into hydroxytrimethyllysine. A pseudogene of this gene is found on chromosome X. Alternate splicing results in multiple transcript variants.[provided by RefSeq, May 2010]