

## Product datasheet for **RC225820L4V**

### Thymidine Phosphorylase (TYMP) (NM\_001113756) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Thymidine Phosphorylase (TYMP) (NM_001113756) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TYMP
Synonyms:	ECGF; ECGF1; hPD-ECGF; MEDPS1; MNGIE; MTDPS1; PDECGF; TP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001113756
ORF Size:	1446 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225820).
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_001113756.2</a>
RefSeq Size:	1851 bp
RefSeq ORF:	1449 bp
Locus ID:	1890
UniProt ID:	<a href="#">P19971</a>
Cytogenetics:	22q13.33
Protein Families:	Druggable Genome



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**Protein Pathways:** Bladder cancer, Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

**MW:** 50 kDa

**Gene Summary:** This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in this gene have been associated with mitochondrial neurogastrointestinal encephalomyopathy. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Apr 2012]