

## Product datasheet for **RC209721L4V**

### TPK1 (NM\_022445) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TPK1 (NM_022445) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TPK1
Synonyms:	HTPK1; PP20; THMD5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022445
ORF Size:	729 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209721).
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_022445.3</a>
RefSeq Size:	2449 bp
RefSeq ORF:	732 bp
Locus ID:	27010
UniProt ID:	<a href="#">Q9H3S4</a>
Cytogenetics:	7q35
Domains:	TPK_catalytic, TPK_B1_binding
Protein Families:	Druggable Genome



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**Protein Pathways:** Metabolic pathways, Thiamine metabolism

**MW:** 27.2 kDa

**Gene Summary:** The protein encoded by this gene functions as a homodimer and catalyzes the conversion of thiamine to thiamine pyrophosphate, a cofactor for some enzymes of the glycolytic and energy production pathways. Defects in this gene are a cause of thiamine metabolism dysfunction syndrome-5. [provided by RefSeq, Apr 2017]