

## Product datasheet for **RC224191L3V**

### USP5 (NM\_001098536) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	USP5 (NM_001098536) Human Tagged ORF Clone Lentiviral Particle
Symbol:	USP5
Synonyms:	ISOT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001098536
ORF Size:	2574 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224191).
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_001098536.1</a>
RefSeq Size:	3214 bp
RefSeq ORF:	2577 bp
Locus ID:	8078
UniProt ID:	<a href="#">P45974</a>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Protease
MW:	95.6 kDa



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**Gene Summary:**

Ubiquitin (see MIM 191339)-dependent proteolysis is a complex pathway of protein metabolism implicated in such diverse cellular functions as maintenance of chromatin structure, receptor function, and degradation of abnormal proteins. A late step of the process involves disassembly of the polyubiquitin chains on degraded proteins into ubiquitin monomers. USP5 disassembles branched polyubiquitin chains by a sequential exo mechanism, starting at the proximal end of the chain (Wilkinson et al., 1995 [PubMed 7578059]).[supplied by OMIM, Mar 2010]