

## Product datasheet for **RC222012L2V**

### SHARPIN (NM\_030974) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	SHARPIN (NM_030974) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SHARPIN
Synonyms:	SIPL1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_030974
ORF Size:	1161 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222012).
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_030974.2</a>
RefSeq Size:	1765 bp
RefSeq ORF:	1164 bp
Locus ID:	81858
UniProt ID:	<a href="#">Q9H0F6</a>
Cytogenetics:	8q24.3
Domains:	zf-RanBP
Protein Families:	Druggable Genome



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**MW:** 39.8 kDa

**Gene Summary:** Component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis.[UniProtKB/Swiss-Prot Function]