

## Product datasheet for **RC226858L4V**

### SPATA2 (NM\_001135773) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

<b>Product Type:</b>	Lentiviral Particles
<b>Symbol:</b>	SPATA2
<b>Synonyms:</b>	PD1; PPP1R145; tamo
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-mGFP-P2A-Puro (PS100093)
<b>Tag:</b>	mGFP
<b>ACCN:</b>	NM_001135773
<b>ORF Size:</b>	1560 bp

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(RC226858).

**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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>RefSeq:</b>	<a href="#">NM_001135773.1</a> , <a href="#">NP_001129245.1</a>
<b>RefSeq Size:</b>	4156 bp
<b>RefSeq ORF:</b>	1563 bp
<b>Locus ID:</b>	9825
<b>UniProt ID:</b>	<a href="#">Q9UM82</a>
<b>Cytogenetics:</b>	20q13.13



**MW:** 58.4 kDa

**Gene Summary:** Bridging factor that mediates the recruitment of CYLD to the LUBAC complex, thereby regulating TNF-alpha-induced necroptosis (PubMed:27307491, PubMed:27458237, PubMed:27545878, PubMed:27591049). Acts as a direct binding intermediate that bridges RNF31/HOIP, the catalytic subunit of the LUBAC complex, and the deubiquitinase (CYLD), thereby recruiting CYLD to the TNF-R1 signaling complex (TNF-RSC) (PubMed:27458237, PubMed:27545878, PubMed:27591049). Required to activate the 'Met-1'- (linear) and 'Lys-63'-linked deubiquitinase activities of CYLD (PubMed:27458237, PubMed:27591049). Controls the kinase activity of RIPK1 and TNF-alpha-induced necroptosis by promoting 'Met-1'-linked deubiquitination of RIPK1 by CYLD (By similarity).[UniProtKB/Swiss-Prot Function]