

Product datasheet for **RC207013L1V**

BUB1 (NM_004336) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BUB1 (NM_004336) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BUB1
Synonyms:	BUB1A; BUB1L; hBUB1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004336
ORF Size:	3255 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207013).
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.
RefSeq:	NM_004336.2
RefSeq Size:	3636 bp
RefSeq ORF:	3258 bp
Locus ID:	699
UniProt ID:	O43683
Cytogenetics:	2q13
Domains:	pkinese, S_TKc
Protein Families:	Druggable Genome, Protein Kinase



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Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation

MW: 122.4 kDa

Gene Summary: This gene encodes a serine/threonine-protein kinase that play a central role in mitosis. The encoded protein functions in part by phosphorylating members of the mitotic checkpoint complex and activating the spindle checkpoint. This protein also plays a role in inhibiting the activation of the anaphase promoting complex/cyclosome. This protein may also function in the DNA damage response. Mutations in this gene have been associated with aneuploidy and several forms of cancer. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]