

## Product datasheet for **RC224920L3V**

### **BRIT1 (MCPH1) (NM\_024596) Human Tagged ORF Clone Lentiviral Particle**

#### Product data:

<b>Product Type:</b>	Lentiviral Particles
<b>Symbol:</b>	BRIT1
<b>Synonyms:</b>	BRIT1; MCT
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Vector:</b>	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
<b>Tag:</b>	Myc-DDK
<b>ACCN:</b>	NM_024596
<b>ORF Size:</b>	2505 bp

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(RC224920).

**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_024596.2</a>
<b>RefSeq Size:</b>	8032 bp
<b>RefSeq ORF:</b>	2508 bp
<b>Locus ID:</b>	79648
<b>UniProt ID:</b>	<a href="#">Q8NEM0</a>
<b>Cytogenetics:</b>	8p23.1



**Domains:** BRCT

**MW:** 92.6 kDa

**Gene Summary:** This gene encodes a DNA damage response protein. The encoded protein may play a role in G2/M checkpoint arrest via maintenance of inhibitory phosphorylation of cyclin-dependent kinase 1. Mutations in this gene have been associated with primary autosomal recessive microcephaly 1 and premature chromosome condensation syndrome. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]