

## Product datasheet for RC211692

### CIT (NM\_007174) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CIT (NM_007174) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CIT
Synonyms:	CITK; CRIK; MCPH17; STK21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211692 representing NM_007174 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC211692 representing NM\_007174  
 Red=Cloning site Green=Tags(s)

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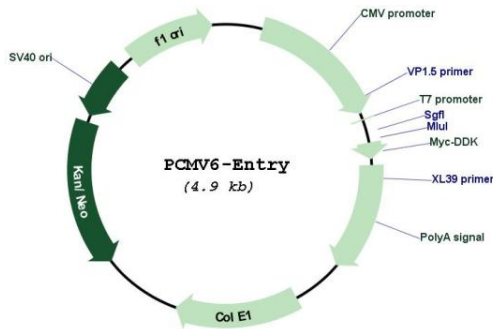
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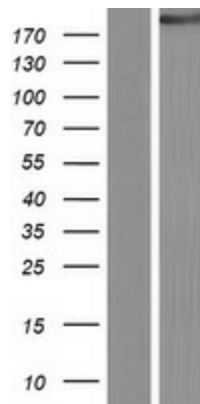
**UniProt ID:** [O14578](#)  
**Cytogenetics:** 12q24.23  
**Protein Families:** Druggable Genome, Protein Kinase  
**MW:** 231.3 kDa

**Gene Summary:** This gene encodes a serine/threonine-protein kinase that functions in cell division. Together with the kinesin KIF14, this protein localizes to the central spindle and midbody, and functions to promote efficient cytokinesis. This protein is involved in central nervous system development. Polymorphisms in this gene are associated with bipolar disorder and risk for schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

### Product images:



Circular map for RC211692



Western blot validation of overexpression lysate (Cat# [LY416147]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211692 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).