

Product datasheet for **MR211488L3V**

Cit (BC023775) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cit (BC023775) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cit
Synonyms:	CRIK, CRIK-SK, citron-N, Cit-k
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	BC023775
ORF Size:	3096 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211488).
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:	BC023775.1
RefSeq Size:	3506 bp
RefSeq ORF:	3098 bp
Locus ID:	12704
Cytogenetics:	5 F



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Gene Summary:

Plays a role in cytokinesis. Required for KIF14 localization to the central spindle and midbody. Probable RHO/RAC effector that binds to the GTP-bound forms of RHO and RAC1. It probably binds p21 with a tighter specificity in vivo. Displays serine/threonine protein kinase activity. Plays an important role in the regulation of cytokinesis and the development of the central nervous system. Phosphorylates MYL9/MLC2.[UniProtKB/Swiss-Prot Function]