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Product datasheet for RC215682L4V

CENPJ (NM_018451) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CENPJ (NM_018451) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CENPJ
Synonyms:	BM032; CENP-J; CPAP; LAP; LIP1; MCPH6; Sas-4; SASS4; SCKL4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_018451
ORF Size:	4014 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215682).
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_018451.2
RefSeq Size:	4387 bp
RefSeq ORF:	4017 bp
Locus ID:	55835
UniProt ID:	Q9HC77
Cytogenetics:	13q12.12-q12.13
MW:	152.8 kDa

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Gene Summary: This gene encodes a protein that belongs to the centromere protein family. During cell division, this protein plays a structural role in the maintenance of centrosome integrity and normal spindle morphology, and it is involved in microtubule disassembly at the centrosome. This protein can function as a transcriptional coactivator in the Stat5 signaling pathway, and also as a coactivator of NF-kappaB-mediated transcription, likely via its interaction with the coactivator p300/CREB-binding protein. Mutations in this gene are associated with primary autosomal recessive microcephaly, a disorder characterized by severely reduced brain size and cognitive disability. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Apr 2012]