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Product datasheet for RC209004L2V

Coiled coil domain containing protein 111 (PRIMPOL) (NM_152683) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Coiled coil domain containing protein 111 (PRIMPOL) (NM_152683) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Coiled coil domain containing protein 111
Synonyms:	CCDC111; MYP22; Primpol1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_152683
ORF Size:	1680 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209004).
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_152683.1
RefSeq Size:	2311 bp
RefSeq ORF:	1683 bp
Locus ID:	201973
UniProt ID:	Q96LW4
Cytogenetics:	4q35.1
MW:	64.4 kDa

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Gene Summary: This gene encodes a DNA primase-polymerase that belongs to a superfamily of archaeao-eukaryotic primases. Members of this family have primase activity, catalyzing the synthesis of short RNA primers that serve as starting points for DNA synthesis, as well as DNA polymerase activity. The encoded protein facilitates DNA damage tolerance by mediating uninterrupted fork progression after UV irradiation and reinitiating DNA synthesis. An allelic variant in this gene is associated with myopia 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]