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Product datasheet for RC212777L3V

CMG1 (IFT74) (NM_001099222) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CMG1 (IFT74) (NM_001099222) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CMG1
Synonyms:	CCDC2; CMG-1; CMG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001099222
ORF Size:	1800 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212777).
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_001099222.1
RefSeq Size:	2183 bp
RefSeq ORF:	1803 bp
Locus ID:	80173
UniProt ID:	Q96LB3
Cytogenetics:	9p21.2
MW:	69.1 kDa

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Gene Summary: This gene encodes a core intraflagellar transport (IFT) protein which belongs to a multi-protein complex involved in the transport of ciliary proteins along axonemal microtubules. IFT proteins are found at the base of the cilium as well as inside the cilium, where they assemble into long arrays between the ciliary base and tip. This protein, together with intraflagellar transport protein 81, binds and transports tubulin within cilia and is required for ciliogenesis. Naturally occurring mutations in this gene are associated with amyotrophic lateral sclerosis--frontotemporal dementia and Bardet-Biedl Syndrome. [provided by RefSeq, Mar 2017]