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Product datasheet for RC222422L1V

MYO1D (NM_015194) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MYO1D (NM_015194) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MYO1D
Synonyms:	myr4; PPP1R108
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_015194
ORF Size:	3018 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222422).
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_015194.1, NP_056009.1
RefSeq Size:	5182 bp
RefSeq ORF:	3021 bp
Locus ID:	4642
UniProt ID:	O94832
Cytogenetics:	17q11.2
MW:	116.2 kDa

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Gene Summary: Unconventional myosin that functions as actin-based motor protein with ATPase activity (By similarity). Plays a role in endosomal protein trafficking, and especially in the transfer of cargo proteins from early to recycling endosomes (By similarity). Required for normal planar cell polarity in ciliated tracheal cells, for normal rotational polarity of cilia, and for coordinated, unidirectional ciliary movement in the trachea. Required for normal, polarized cilia organization in brain ependymal epithelial cells (By similarity).[UniProtKB/Swiss-Prot Function]