

Product datasheet for **MR205720L4V**

Popdc2 (NM_001081984) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Popdc2 (NM_001081984) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Popdc2
Synonyms:	AV006127; P; Pop2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001081984
ORF Size:	1113 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205720).
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_001081984.1
RefSeq Size:	2203 bp
RefSeq ORF:	1116 bp
Locus ID:	64082
Cytogenetics:	16 B3

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Gene Summary:

This gene encodes a member of the Popeye domain containing family of membrane proteins. Proteins of this family contain three helical transmembrane domains and a conserved intracellular Popeye domain. In the adult mouse, this gene is expressed at high levels in cardiac myocytes, and mice deficient for this gene develop stress-induced cardiac pacemaker dysfunction. The protein binds to a two-pore domain potassium channel and recruits it to the plasma membrane. Cyclic adenosine monophosphate negatively regulates this interaction through the Popeye domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]