

Product datasheet for **MR214733L4V**

Drc1 (NM_001033460) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Drc1 (NM_001033460) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Drc1
Synonyms:	b2b1654Clo; Ccdc164; Gm1060
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001033460
ORF Size:	2259 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR214733).
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_001033460.3
RefSeq Size:	2485 bp
RefSeq ORF:	2262 bp
Locus ID:	381738
UniProt ID:	Q3USS3
Cytogenetics:	5 B1


[View online »](#)

Gene Summary:

Component of the nexin-dynein regulatory complex (N-DRC) a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes. Plays a critical role in the assembly of N-DRC and also stabilizes the assembly of multiple inner dynein arms and radial spokes. Coassembles with CCDC65/DRC2 to form a central scaffold needed for assembly of the N-DRC and its attachment to the outer doublet microtubules.[UniProtKB/Swiss-Prot Function]