

Product datasheet for **MR223554L4V**

Wdr1 (NM_011715) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wdr1 (NM_011715) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wdr1
Synonyms:	Aip1; D5Wsu185e; rede
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011715
ORF Size:	1818 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223554).
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_011715.2
RefSeq Size:	2878 bp
RefSeq ORF:	1821 bp
Locus ID:	22388
UniProt ID:	O88342
Cytogenetics:	5 20.63 cM



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Gene Summary:

Induces disassembly of actin filaments in conjunction with ADF/cofilin family proteins (By similarity). Enhances cofilin-mediated actin severing (PubMed:25915128). Involved in cytokinesis. Involved in chemotactic cell migration by restricting lamellipodial membrane protrusions (By similarity). Involved in myocardium sarcomere organization. Required for cardiomyocyte growth at the postnatal and maintenance at the adult stage (PubMed:24840128). Involved in neutrophil actin dynamics and migration. Involved in megakaryocyte maturation and platelet shedding (PubMed:17515402). Required for the establishment of planar cell polarity (PCP) during follicular epithelium development and for cell shape changes during PCP; the function seems to implicate cooperation with CFL1 and/or DSTN/ADF. Involved in the generation/maintenance of cortical tension (PubMed:25915128). Involved in assembly and maintenance of epithelial apical cell junctions and plays a role in the organization of the perijunctional actomyosin belt (By similarity).[UniProtKB/Swiss-Prot Function]