

Product datasheet for **MR211823L4V**

Wdr11 (NM_172255) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wdr11 (NM_172255) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wdr11
Synonyms:	2900055P10Rik; AW489876; Brwd2; mKIAA1351
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_172255
ORF Size:	3669 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211823).
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_172255.3 , NP_758459.2
RefSeq Size:	4566 bp
RefSeq ORF:	3672 bp
Locus ID:	207425
UniProt ID:	Q8K1X1
Cytogenetics:	7 F3



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Gene Summary:

Involved in the Hedgehog (Hh) signaling pathway, is essential for normal ciliogenesis (PubMed:29263200). Regulates the proteolytic processing of GLI3 and cooperates with the transcription factor EMX1 in the induction of downstream Hh pathway gene expression and gonadotropin-releasing hormone production (PubMed:29263200). WDR11 complex facilitates the tethering of Adaptor protein-1 complex (AP-1)-derived vesicles. WDR11 complex acts together with TBC1D23 to facilitate the golgin-mediated capture of vesicles generated using AP-1 (By similarity).[UniProtKB/Swiss-Prot Function]