

Product datasheet for **MR226142L4V**

Ift122 (NM_031177) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ift122 (NM_031177) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ift122
Synonyms:	C86139; sopb; Wdr10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031177
ORF Size:	3546 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226142).
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_031177.4 , NP_112454.2
RefSeq Size:	4083 bp
RefSeq ORF:	3552 bp
Locus ID:	81896
UniProt ID:	Q6NWX3
Cytogenetics:	6 E3



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Gene Summary:

As a component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs), it is required in ciliogenesis and ciliary protein trafficking (By similarity). Involved in cilia formation during neuronal patterning. Acts as a negative regulator of Shh signaling. Required to recruit TULP3 to primary cilia (PubMed:19000668, PubMed:21209331).[UniProtKB/Swiss-Prot Function]