

## **Product datasheet for MR226815L4**

### Myo1d (NM\_177390) Mouse Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Myo1d (NM\_177390) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Myo1d

**Synonyms:** 9930104H07Rik; AW544947; D11Ertd9e; myosin-1d

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

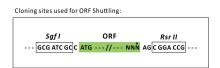
E. coli Selection: Chloramphenicol (34 ug/mL)

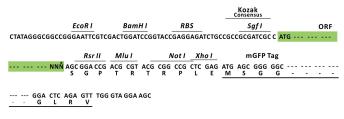
**ORF Nucleotide** The ORF insert of this clone is exactly the same as(MR226815).

Sequence:

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_177390

ORF Size: 3018 bp



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#### Myo1d (NM\_177390) Mouse Tagged Lenti ORF Clone - MR226815L4

**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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** NM 177390.3, NP 796364.2

 RefSeq Size:
 5353 bp

 RefSeq ORF:
 3021 bp

 Locus ID:
 338367

 UniProt ID:
 Q5SYD0

Cytogenetics: 11 47.95 cM

**Gene Summary:** Unconventional myosin that functions as actin-based motor protein with ATPase activity (By

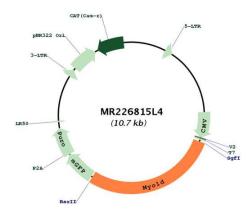
similarity). Plays a role in endosomal protein trafficking, and especially in the transfer of cargo proteins from early to recycling endosomes (By similarity). Required for normal planar cell polarity in ciliated tracheal cells, for normal rotational polarity of cilia, and for coordinated,

unidirectional ciliary movement in the trachea. Required for normal, polarized cilia organization in brain ependymal epithelial cells (By similarity).[UniProtKB/Swiss-Prot

Function]



# **Product images:**



Circular map for MR226815L4