

## Product datasheet for **MR204159**

### Lztf11 (NM\_033322) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | Lztf11 (NM_033322) Mouse Tagged ORF Clone                         |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | Lztf11                                                            |
| Synonyms:                 | 5530402H04Rik; 6130400H19Rik; AI414725; AW048545                  |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >MR204159 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAGTTGGGCCTAAATGAGCACCATCAAAATGAGGTCATTAATTACATGCGTTTTGCTCGTTCAA  
AAAGAGGCTTGAGACTTAAACGGTAGATTCTGCTTTCAGGACCTCAAGGACAGCAGGCTGGTGGAGGA  
GACTTTCACCATTTGATGAGGTTTCAGAAGTCCTAAATGGGCTGCAGGCTGTGGTACACAGTGAGGTGGAG  
TCCGAGCTCATCAATACAGCTTACACCAATGTCCTGCTCCTACGGCAGCTGTTCTCCAAGCTGAGAAGT  
GGTATCTAAAGCTACAGACAGACATCTCTGAACCTGAAAACAGAGAATTATTAGAACAAGTTGCTGAATT  
TGAAAAGGCAGAAATTTGTATCTTCAAGTAAAAAGCCCATCATAGATATCACAAGCCTAAACTTGTTCCT  
ATTAATGAAGGTGGAACCTACAGAGCTCCTAAACAAGGAAATTTTAAGACTTCAACAAGAGAATGAAAAAC  
TAAAGTCAAGGCTGAAGACCATTTGAAATACAGGCTGTAATGCTCTGGATGAGAAGTCAAAATTTGAAAAG  
AGTACTTCAAGATTTACAGCTCGATCAAGAAAACCAACAGGATTTGCTAAAGGCCCAAGACTTGGATGAC  
TTGAAAATACAGTTGCAACTCTTAGGAGTGAATTTGAGAAGACACTTAATGACAAGACAGAAAACCAAA  
AATCTTTGGAAGAGAACCCTAGCAGCAGCCAAACATGACCTCCTCAGAGTACAGGAGCAGCTGAGCATGGC  
TGAAAAGGAGTTAGAGAAGAAATTTCAACAAACAGCAGCTTATCGAAACATGAAAGAGATTCTCACCAAA  
AAGAATGATCAAATCAAAGACCTACGAAAAGACTGGCAAAATATGAATCTGAAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204159 protein sequence  
Red=Cloning site Green=Tags(s)

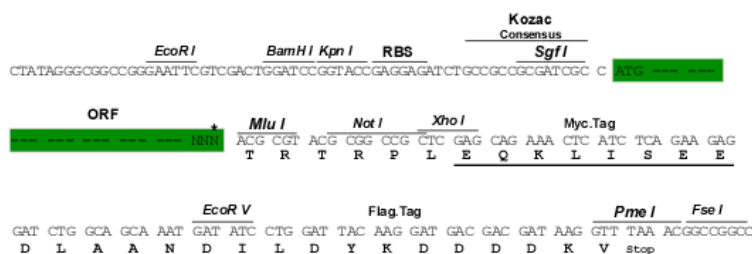
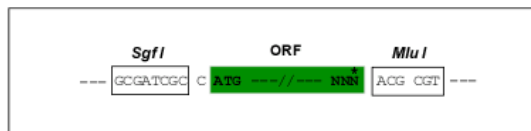
MAELGLNEHHQNEVINMYMRFARSKRGLRLKTVDSQFQDLKDSRLVEETFTIDEVSEVLNGLQAVVHSEVE  
SELINTAYTNVLLRLQLFSAEKWYKLQTDISELENRELLEQVAEFKAFFVSSSKKPIIDITKPKLV  
INEGGTTELLNKEILRLQQENEKLSRLKTIEIQAVNALDEKSKLERVLQDLQLDQENQQDLLKAQDLDD  
LENTVAIDLRSEFKTLNDKNTENQKSLLEENLAAKHDLRLVQEQLSMAEKELEKKFQQTAAAYRNMKIILTK  
NDOIKDLRKLEKAYESED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

### Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM 033322

ORF Size: 897 bp

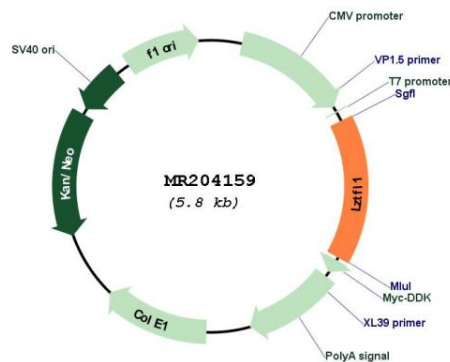
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_033322.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RefSeq Size:</b>           | 3438 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 900 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 93730                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q9JHQ5</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 9 74.36 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>MW:</b>                    | 34.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Summary:</b>          | Regulates ciliary localization of the BBSome complex. Together with the BBSome complex, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. May play a role in neurite outgrowth. May have tumor suppressor function. [UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                      |

## Product images:



Circular map for MR204159