

## Product datasheet for **MG206692**

### Lrrc42 (NM\_029985) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | Lrrc42 (NM_029985) Mouse Tagged ORF Clone                                   |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | Lrrc42                                                                      |
| Synonyms:                 | A930011F22Rik; AA536996                                                     |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >MG206692 representing NM_029985<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTACTACCTCAACTCAGAAGCCACCTGGATCCAGGGCCCATCTATGTTTCGAGAAAATGGGCAGC  
 TACACATGGTCAACCTGGCTCTGGATGGTGTAAAAACAGCCTGCAGAAGCCACGACCATTTCAGACTCTT  
 TCCCAAAGGCTTTCCGTGGAGCTGTGCATGAACAGGGAAGACGACACTGCACAGAAAGAGAAGACCGAT  
 CACTTTATCTTCACGTACACCCGAGAGGGGAATCTGCGATACTCTGCTAAGTCCCTCTTCAGTCTGGTGC  
 TGGGCTTCATCTCCGACAATGTTGATCACATTGATTCCCTCATCGCTTTCTGAGCAGATCGCTGAGAA  
 GCTGTTCTCTGCTGCTGAAGCCAGACAGAAATTCACAGAGCCAGGGGCAGGGCTCAGGGCGTTACAGAAG  
 TTCACTGAGGCCTACGGGAGTCTGGTGCTGTGCTCGCTGTGCTTGCGAAACAGGTATTTGGTGGTTGCAG  
 AAAAGCTTGAAGAGATCAAGTCTTTCCGGGAGCTGACCCGCTCTAGACCTCTCCTGTTGCTGGCTTGGAGA  
 TGAGCATGAGCTTCTAGAACACCTACCAATGAAGCTCTGTCCAGTGTCACTCAGCTCCACTTGAAGGAT  
 AATTGCTTATCTGATGCAGGCATTCGGAATGACAGCACCAGTGCAGGATGAAAAGAGGCCTTGAGA  
 ATCTAGCGCTGTAGACCTGTCTTGAACCTGAGATAACAGACGCTGGAATTGGATACCTGTTTTCATT  
 TAGAAAATTAATTTGCTTGGATATCTCTGGAACAGGACTAAAGGACATCAAAGCCGTTAAGGACAAGCTC  
 CGGGCAAACATAGGCCTTGTCTACTCCTCAAGTGCCTTTGAAGGAATTTGATCATAGTAACAGCAAAACAG  
 AGGGCTGGGCTGACCAGATTGTTCTACAGTGAGGAGCGAGTGAGCGTGGAAGCCGTGCGGCAGCGGAAGA  
 TGTGGAGCCTCGAAAGGCAGCTCAATACTTCTACCAGAATCGAGCTCGCACAGAAGTTACAAGGAAATGT  
 CCCCTCGCAGAGACCCACATGAACCTCTTCTGGAAGTCCAGTTCTATAGGGAGGAGGCTCCGAGTGGC  
 ATGAGCCACTGTTGAGCCAAGAATCAAAGAAGAGCAAGAAGAGAGCTTTCAAGGAGTCAAGCAGGAGCA  
 GAGCTCGCCCGAGTCGGCCAAGCAGAAGTGTGTGTCTGGCTGTGGAAGATTGGGATTTGCTCAATTCC  
 TAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206692 representing NM\_029985  
 Red=Cloning site Green=Tags(s)

MAYYLNSEAHLDPGPIYVRENGQLHVMNLALDGVKNSLQKPRPFRLFPGKFSVELCMNREDDTAQKEKTD  
 HFIFTYTREGLRYSASLSLVLGFI SDNVHDIDSLIGFPEQIAEKLFSAAEARQKFTEPGAGLRALQK  
 FTEAYGSLVLCCLRNRYLVVAEKLEEKSFRELTRLDLSCCWLGDHLLHLEHLTNEALSSVTQLHLKD  
 NCLSDAGIRKMTAPVRVMKRGLENLALLDLSCNPEITDAGIGYLF SFRKLNCLDISGTGLKDIKAVKDKL  
 RANIGLVHSKVPLKEFDHSNCKTEGWADQIVLQWERSVVEAVRQRKDVEPRKAAQYFYQNRARTEVTRKC  
 PLAETHMSSGKLQFYREEAPDCHEPLL SQESKSKSKRAFKESQEQSSPQSAKQKCVCLAVEDWDLNLS  
 Y

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_029985

**ORF Size:** 1263 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).

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_029985.2](#), [NP\\_084261.1](#)

**RefSeq Size:** 1756 bp

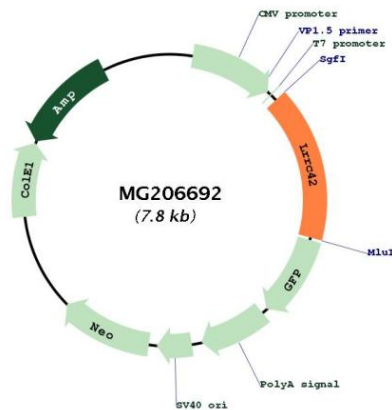
**RefSeq ORF:** 1266 bp

**Locus ID:** 77809

**UniProt ID:** [Q8R2U7](#)

**Cytogenetics:** 4 C7

## Product images:



Circular map for MG206692