

Product datasheet for **MG220032**

Mrpl15 (NM_001177658) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl15 (NM_001177658) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mrpl15
Synonyms:	HSPC145; MRP-L7; Rpml7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220032 representing NM_001177658 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGCACGGCGCGGGCTGCGGGACAGCCTGGACCTGCTGCGGTCTTGCCGAGAGTGAGCCTGG
 CCAACCTGAAGCCAGTCCTAACTCCAGAAAACGGAAAGACGTCCAAGAGATCGGAGAAGAGGTAGGAA
 GTGTGGCAGAGGCCATAAAGGAGAAAGGCAGAGAGGAACCGGCCAAGGCTGGGCTTTGAGGGAGGGCAG
 ACTCCATTTTACATACGAATCCAAAAATATGGATTTAATGAAGGACATAGTTTCAGGCACCAAGTATCAGC
 CTTTGAGTCTCAGGAGACTACAGTATCTCATTGATTTAGGTGAGTTGATCCAACCTCAACCTATTGACCT
 AACCCAGCTTGTGAATGGGAGAGGTGTGACCATCCAGCCGCTTAAGAGGGATTATGGAGTCCAGCTGGTT
 GAAGAGGGTGCTGATACTTTTCAAGCAAAAATTAATATTGAAGTGCAGCTGGCTTCAGAATTAGCCATTG
 CTGCCATTGAAAAAATGGCGGTGTTGTTACTACAGCCTTCTATGACCAAGAAGTCTAGAAATTCGTG
 CAAGCCTATTCCATTCTTTCTGCGGGGACAACCAATCCGAAAAGAATGCTTCCCCTGAGTCACTGGTG
 CCCTATTACACCGATGCAAAAAACCGGGGCTACCTGGCTGACCTGCCAAGTTTCCTGAAGCAAGACTTG
 AACTCGCCATGAAGTTTGGCTACGTCCTTCCTGATATTACGAAAGATGAACCTTTCAGAATGCTCAGCGC
 TCGGAAGGATCCGAGGCAGATTTTCTTTGGTCTTGCTCCTGGCTAGTGAATATGGCAGATAAGAAA
 ATTCTAAAACCTACAGATGAGAATCTTCTCAAGTATTACAGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG220032 representing NM_001177658
 Red=Cloning site Green=Tags(s)

MAGTARGCGTSLDLLRSLPRVSLANLKPSNSRKERRRPDRRRGRKCGRGHKGERQGRTRPRLGFEGGQ
 TPFYIRIPKYGFNEGHSFRHQYQPLSLRRLQYLIDLGRVDPTQPIDLTQLVNGRGVTIQPLKRDYGVQLV
 EEGADTFQAKINIEVQLASELAIAAIEKNGGVTTAFYDPRSLEILCKPIPFLLRGQPIPKRMLPPESLV
 PYYTDAKNRGYLADPAKFPEARLELAMKFGYVLPDITKDELFRLSARKDPRQIFFGLAPGWVVNMADKK
 ILKPTDENLLKYYSS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177658

ORF Size: 885 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_001177658.1](#), [NP_001171129.1](#)

RefSeq Size: 4216 bp

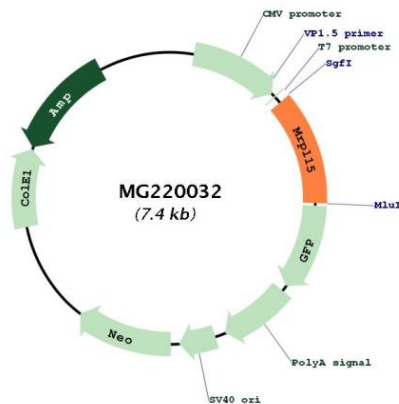
RefSeq ORF: 888 bp

Locus ID: 27395

UniProt ID: [Q9CPR5](#)

Cytogenetics: 1 A1

Product images:



Circular map for MG220032