

Product datasheet for **RG200033**

Mitochondrial ribosomal protein L11 (MRPL11) (NM_016050) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mitochondrial ribosomal protein L11 (MRPL11) (NM_016050) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mitochondrial ribosomal protein L11
Synonyms:	CGI-113; L11MT; MRP-L11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200033 representing NM_016050 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAAGCTCGGCCGGGCCCGGGCCCTCAGGAAGCCCGAGGTGGCGGTGTAATCCGGGCGATCG
TGCGGGCAGGCTGGCCATGCCGGGCCCCCACTAGGCCAGTGCTGGTCAGAGAGGCGTTTCCATCAA
CCAGTTTTGCAAGGAGTTCAATGAGAGGACAAAGGACATCAAGGAAGGCATTCTCTGCCTACCAAGATT
TTAGTGAAGCCTGACAGGACATTTGAAATTAAGATTGGACAGCCCACTGTTTCTACTTCTGAAGGCAG
CAGCTGGGATTGAAAAGGGGGCCCGCAAACAGGGAAAGAGGTGGCAGGCCTGGTGACCTGAAGCATGT
GTATGAGATTGCCCGCATCAAAGCTCAGGATGAGGCATTTGCCCTGCAGGATGTACCCCTGTCGTCTGTT
GTCCGCTCCATCATCGGGTCTGCCCCTTCTTGGGCATTGCGGTGGTGAAGGACCTCAGTTCAGAAGAGC
TTGCAGCTTTCCAGAAGGAACGAGCCATCTTCTGGCTGCTCAGAAGGAGGCAGATTTGGCTGCCAAGA
AGAAGCTGCCAAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>RG200033 representing NM_016050 Red=Cloning site Green=Tags(s)
-------------------	--

MSKLGRAARGLRKPEVGGVIRAIVRAGLAMPGPPLGPVLGQRGVSINQFCKEFNERTKDIKEGIPLPTKI
LVKPDRTFEIKIGQPTVSYFLKAAAGIEKGARQTGKEVAGLVTLKHVYEIARIKAQDEAFALQDVPLSSV
VRSIIGSARSLGIRVVKDLSSSELAAFQKERAIFLAAQKEADLAAQEAAKK

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
--------------------	-----------


[View online »](#)

Cloning Scheme:



ACCN: NM_016050

ORF Size: 576 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_016050.2](#), [NP_057134.1](#)

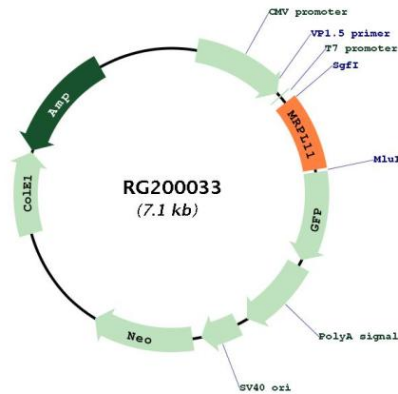
RefSeq Size: 840 bp

RefSeq ORF: 579 bp

Locus ID: 65003

UniProt ID:	Q9Y3B7
Cytogenetics:	11q13.2
Domains:	Ribosomal_L11
Gene Summary:	This nuclear gene encodes a 39S subunit component of the mitochondrial ribosome. Alternative splicing results in multiple transcript variants. Pseudogenes for this gene are found on chromosomes 5 and 12. [provided by RefSeq, May 2014]

Product images:



Circular map for RG200033