

Product datasheet for **RG200752**

Clorf33 (MRT04) (NM_016183) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clorf33
Synonyms:	Clorf33; dJ657E11.4; MRT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG200752 representing NM_016183
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCCAATCCAAGCGCGACAAGAAAGTCTCCTTAACCAAACTGCCAAGAAAGGCTTGAATTGAAAC
AAAACCTGATAGAAGAGCTTCGAAATGTGTGGACACCTACAAGTACCTTTTCATCTTCTGTGGCCAA
CATGAGGAACAGCAAGCTGAAGGACATCCGGAACGCCTGGAAGCACAGCCGGATGTTCTTTGGCAAAAC
AAGGTGATGATGGTGGCCTTGGGTCGGAGCCCATCTGATGAATACAAAGACAACCTGCACCAGGTCAGCA
AAAGGTTGAGGGGTGAGGTGGGTCTCCTGTTACCAACCGCACAAAGGAAGAGGTGAATGAGTGGTTCAC
GAAATACACAGAAATGGACTACGCCGAGCTGGTAACAAAGCAGCTTTCAGTGTGAGCCTGGATCCAGGG
CCCCTGGAGCAGTCCCCCACTCCATGGAGCCACAGCTCAGGCAGCTGGGCCTGCCACCGCCCTCAAGA
GAGGTGTGGTACTCTGCTGTCTGACTACGAGGTGTGCAAGGAGGGCGATGTGCTGACCCAGAGCAGGC
TCGCGTCCTGAAGCTTTTGGGTATGAGATGGCTGAATTCAAGGTGACCATCAAATACATGTGGGATTCA
CAGTCGGGAAGTTCCAGCAGATGGGAGACGACTTGCCAGAGAGCGCATCTGAGTCCACAGAAGAGTCAG
ACTCAGAAGATGATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



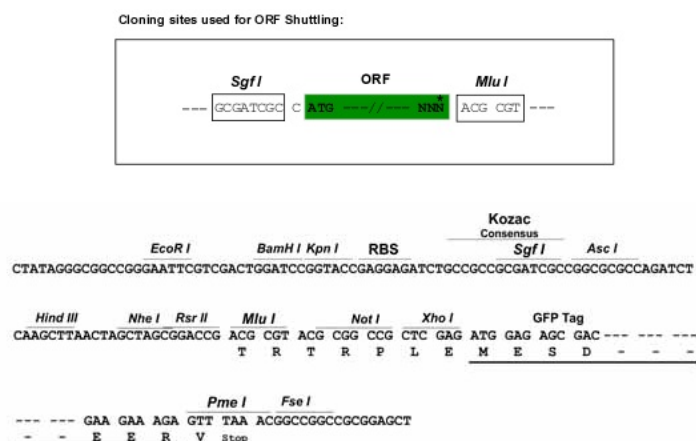
Protein Sequence: >RG200752 representing NM_016183
Red=Cloning site Green=Tags(s)

MPKSKRDKKVS LTKTAKKGLLELKQNLIEELRKVDYKYLFIFSVANMRNSKLKDIRNAWKHSRMFFGKN
KVMVMALGRSPDSEYKDNLHQVSKRLRGEVGLLFNTRTKEEVNEWFTKYTEM DYARAGNKA AFTVSLDPG
PLEQFPHSMEPQLRQLGLPTALKRGVVTLLSDYEVCKEGDVLTPEQARVLKLFGYEMAEFKVTIKYMWDS
QSGRFQOMGDDLPESASESTEESSDSEDD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016183

ORF Size: 717 bp

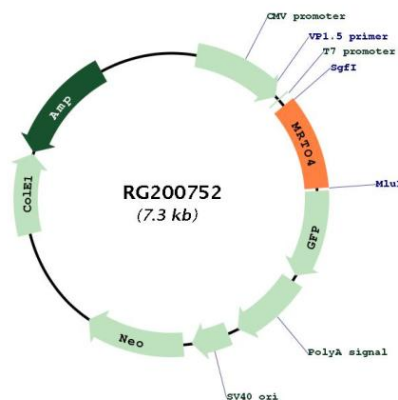
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_016183.2</u> , <u>NP_057267.2</u>
RefSeq Size:	2273 bp
RefSeq ORF:	720 bp
Locus ID:	51154
UniProt ID:	<u>Q9UKD2</u>
Cytogenetics:	1p36.13
Domains:	Ribosomal_L10
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein sharing a low level of sequence similarity with ribosomal protein P0. While the precise function of the encoded protein is currently unknown, it appears to be involved in mRNA turnover and ribosome assembly. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200752