

Product datasheet for **MG202148**

Rexo2 (BC003445) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rexo2 (BC003445) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rexo2
Synonyms: 1810038D15Rik; AW107347; Rex2; Sfn; Smfn
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202148 representing BC003445
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGCAGGGGAGAGCATGGCTCAGCGAATGGTCTGGGTGGACCTGGAGATGACAGGATTGGATATTG
AGAAGGATCAGATTATTGAGATGGCCTGCCTGATAACTGACTCTGATCTTAACATTTGGCTGAAGGTCC
CAACCTGATTATCAAACAGCCGGACGAGTTGCTGGACAGCATGTCAGACTGGTCAAGGAGCATCACGGG
AAGTCTGGTCTTACCAAGGCAGTGAAGGAGAGCACAGTCACACTGCAGCAGGCAGAGTATGAATTTCTGT
CCTTTGTACGACAGCAGACTCCTCCGGGGCTCTGTCCACTTCAGGGAAGTCAAGTTCATGCAGATAAGAA
GTTTCTTGACAAACACATGCCCCAGTTCATGAAACATCTTCACTATAGGATAATTGATGTGAGCACTGTT
AAAGAGCTGTGCAGACGCTGGTATCCAGAAGATTATGAATTTGCACCGAAGAAGGCTGCTTCTCACAGG
CACTGGATGACATTAGTGAAGCATCAAAGAGCTTCAGTTTTACCGAAATAACATCTTCAAGAAAAAGAC
AGACGAAAAGAAGAGGAAAATTATAGAAAATGGAGAACTGAGAACCTGTGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202148 representing BC003445
Red=Cloning site Green=Tags(s)

MAAGESMAQRMVVDLEMTGLDIEKDQIIEMACLIITSDNLILAEGPLNLIKQPDELLDSMSDWCKEHHG
 KSLGTKAVKESTVTLQQAIEYFLSFVRQTPPGLCPLAGNSVHADKKFLDKHMPQFMKHLHYRIIDVSTV
 KELCRRWPEDYEFAPKKAASHRALDDISESIKELQFYRNNIFKKKTDEKKRKIIENGETEKPVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: BC003445

ORF Size: 615 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: [BC003445.1](#)

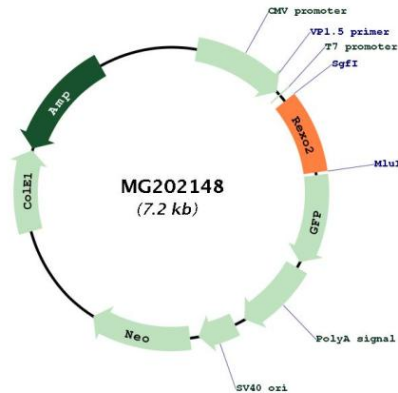
RefSeq Size: 1023 bp

RefSeq ORF: 617 bp

Locus ID: 104444

Cytogenetics:	9 A5.3
Gene Summary:	3'-to-5' exoribonuclease specific for small oligoribonucleotides. Active on small (primarily ≤ 5 nucleotides in length) single-stranded RNA and DNA oligomers. May have a role for cellular nucleotide recycling (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202148