

Product datasheet for **RG210655**

ROMO1 (NM_080748) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ROMO1 (NM_080748) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ROMO1
Synonyms: bA353C18.2; C20orf52; MTGM; MTGMP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210655 representing NM_080748
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCCGGTGGCCGTGGGTCCCTACGGACAGTCCCAGCCAAGCTGCTTCGACCGTGTCAAATGGGCTTCG
TGATGGGTTCGCGCGTGGGCATGGCGGCCGGGGCGCTCTTCGGCACCTTTTCCTGTCTCAGGATCGGAAT
GCGGGTCGAGAGCTGATGGCGGCATTGGGAAAACCATGATGCAGAGTGGCGGCACCTTTGGCACATTC
ATGGCCATTGGGATGGGCATCCGATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210655 representing NM_080748
Red=Cloning site Green=Tags(s)
 MPVAVGPYQSQPSCFDRVKMGFVMGCAVGMAAGALFGTFSLRIGMRGRELMGGIGKTMQSGGTFGTF
 MAIGMGIRC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI


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Cloning Scheme:


ACCN: NM_080748

ORF Size: 237 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).

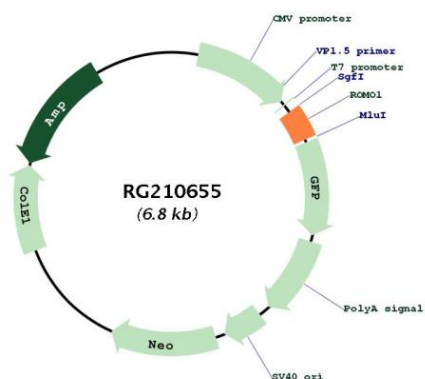
Reconstitution Method:

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_080748.3</u>
RefSeq Size:	602 bp
RefSeq ORF:	240 bp
Locus ID:	140823
UniProt ID:	<u>P60602</u>
Cytogenetics:	20q11.22
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a mitochondrial membrane protein that is responsible for increasing the level of reactive oxygen species (ROS) in cells. The protein also has antimicrobial activity against a variety of bacteria by inducing bacterial membrane breakage. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RG210655