

Product datasheet for **RG213910**

RELI (NM_001085399) Human Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence: >RG213910 representing NM_001085399
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCTCCGCGGGCACTCCCGGGTCCGCCGCTCCTAGCCGCTGCTGTCTTCGTGGGAGGCGCCGTGAGTT
CGCCGCTGGTGGCTCCGACAATGGGAGCAGCCGACATTGCACTCCAGAACAGAGACGACCCCGTCGCC
CAGCAACGATACTGGGAATGGACACCCAGAATATATTGCATACGCGCTTGTCCCTGTGTTCTTTATCATG
GGTCTCTTTGGCGTCTCATTGCCACCTGCTTAAGAAGAAAGGCTATCGTTGTACAACAGAAGCAGAGC
AAGATATCGAAGAGGAAAGGTTGAAAAGATAGAATTGAATGACAGTGTGAATGAAAACAGTGACACTGT
TGGGCAAAATCGTCCACTACATCATGAAAAATGAAGCGAATGCTGATGTCTTAAAGGCGATGGTAGCAGAT
AACAGCCTGTATGATCCTGAAAGCCCGTGACCCCGAGCACACAGGGAGCCCGCCAGTGAGTCCTGGGC
CTTTGTACCCAGGGGGACGCCAGGGAAGCACGTCTGTGGCCATCATCTGCATACGGTGGGCGGTGTTGT
CGAGAGGGATGTGTGCATCGGTGTAGGCACAAGCGGTGGCACTTTATAAGCCCACTAACAAGTCCAGA
GAGAGCAGACCACGGCCCAAGGCGAGGTACGGTCCTTTCTGTTGGCAGATTTAGAGTTACAAAAGTGG
AGCACAAAGTCAAACAGAAAGGAGGAGAGCCTGATGTCTGTTAGTGGGCTGAAACCGTCAATGGGGA
GGTGCCGGCAACACCTGTGAAGAGAGAACGCACTGGCACAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213910 representing NM_001085399
Red=Cloning site Green=Tags(s)

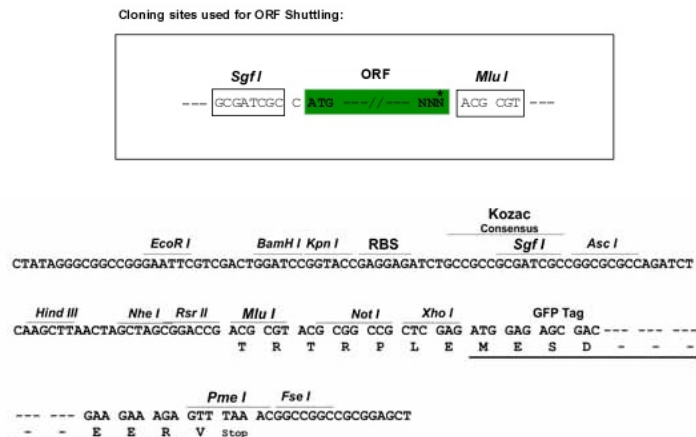
MAPRALPGSAVLAAAVFVGAVSSPLVAPDNGSSRTLHSRTETTPSPSNDTGNGHPEYIAYALVPVFFIM
GLFGVLICHLLKKKGYRCTTEAEQDIEEEKVEKIELNDSVNENS DTVGQIVHYIMKNEANADVLKAMVAD
NSLYDPESPVTPSPGSPVSPGPLSPGGTPGKHVCGHHLHTVGGVVERDVCHRCRHKRWHF IKPTNKS
ESRPRRQGEVTVLSVGRFRVTKVEHKSQKERRSLMSVSGAETVNGEVPATPVKRRERSGTE

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001085399

ORF Size: 813 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:

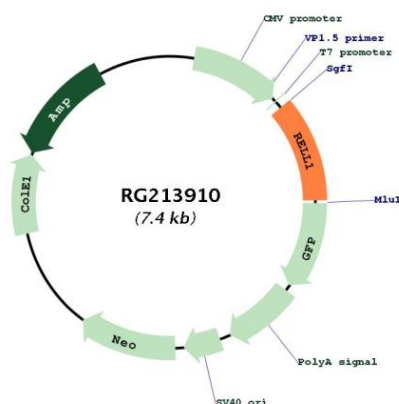
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001085399.2](#)

RefSeq Size:	1366 bp
RefSeq ORF:	816 bp
Locus ID:	768211
UniProt ID:	<u>Q8IUW5</u>
Cytogenetics:	4p14
Protein Families:	Transmembrane
Gene Summary:	Induces activation of MAPK14/p38 cascade, when overexpressed (PubMed:28688764). Induces apoptosis, when overexpressed (PubMed:19969290).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213910