

Product datasheet for **RG208967**

RELL2 (NM_173828) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RELL2 (NM_173828) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RELL2
Synonyms:	C5orf16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208967 representing NM_173828 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGAACCACAGCCTGACCTGGAACCGCCCCAACATGGGCTATATGCTCTTCTGCTTGTGCTGG
TCTTCTTCCTCATGGGCCTGGTAGGCTTCATGATCTGCCACGTGCTCAAGAAGAAGGGCTACCGCTGCCG
CACGTCGAGGGGCTCTGAGCCTGACGATGCCCAGCTTCAGCCCCCTGAGGACGATGACATGAATGAGGAC
ACAGTAGAGAGGATTGTCGCTGCATCATCCAGAATGAAGCCAATGCTGAGGCCTTGAAGGAGATGCTGG
GGGACAGTGAAGGAGAAGGGACAGTGCAGCTGTCCAGTGTGGATGCCACCTCCAGCCTGCAGGACGGAGC
CCCTCCCATCATCACACAGTGACCTGGGCCCTGCAGCCCTTGATCCATTGCAGCCGACGAAAGAGG
CCTCCACTTGTCGCTCAGGGACGCTCCAAGGAAGGAAAAAGCCGCCCCCGACAGGGGAGACCACTGTGT
TCTCTGTGGGCAGGTTCCGGGTGACACACATTGAGAAGCGCTATGGACTGCACGAACACCGTGATGGCTC
CCCCACAGACAGGAGCTGGGCTCTCGTGGGGACAGGACCCAGGGGTGGTCAGGGGTCTGGGGAGGG
CAGCCCAAGGCAGGGATGCCTGCCATGGAGAGGCTGCCCCCTGAGAGGCCACAGCCCAGGTCTAGCCA
GCCCCCAGTACAGAATGGAGGACTCAGGGACAGCAGCCTAACCCCTCGTGCCTGAAGGGAACCCAG
AGCTTCTGCAGAGCCAACACTGAGGGCCGAGGGAGGGGCCCAAGCCAGGGCTGCCACTCAAGAGGCA
AATGGGAGCCAAGCAACCAGACACTTCTGATCACCAGGTGTCTCTACCACAGGGAGCAGGGAGTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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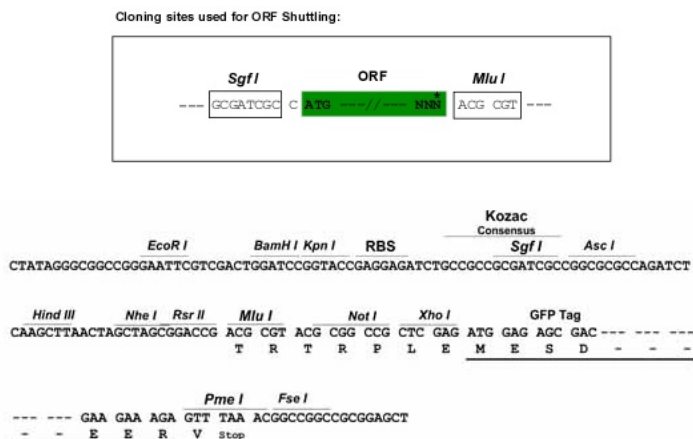
Protein Sequence: >RG208967 representing NM_173828
Red=Cloning site Green=Tags(s)

MSEPPQDLEPPQHGLYMLFLLVLVFFFLMGLVGFMIHCHLVKKKGYRCRTSRGSEPDDAQLQPPEDDDMNE
TVERIVRCIIQNEANAEALKEMLDGSEGETVQLSSVDATSSLQDGAPSHHHTVHLGPAAPCIHCSRSKR
PPLVRQGRSKEGKSRPRTGETTVF SVGRFRVTHIEKRYGLHEHRDGSPTDRSWGSRGGQDPGGGQSGGG
QPKAGMPAMTLRPPRPQVLASPPVQNGGLRDSSLTPRALEGNPRASAEPTLRAGGRGSPGLPTQEA
NGEPSKPDSDHQSVLPGQAGSM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM 173828

ORF Size: 909 bp

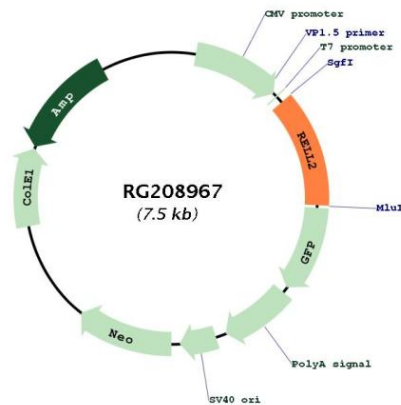
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_173828.3, NP_776189.2</u>
RefSeq Size:	2535 bp
RefSeq ORF:	912 bp
Locus ID:	285613
UniProt ID:	<u>Q8NC24</u>
Cytogenetics:	5q31.3
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 RG208967