

Product datasheet for **RG225425**

RELL2 (NM_001130029) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RELL2 (NM_001130029) 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:	>RG225425 representing NM_001130029 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGTCGGAACCACAGCCTGACCTGGAACCGCCCCAACATGGGCTATATGCTCTTCTGCTTGTGCTGG
TCTTCTTCCTCATGGGCCTGGTAGGCTTCATGATCTGCCACGTGCTCAAGAAGAAGGGCTACCGCTGCCG
CACGTCGAGGGGCTCTGAGCCTGACGATGCCCAGCTTCAGCCCCCTGAGGACGATGACATGAATGAGGAC
ACAGTAGAGAGGATTGTTGCTGCATCATCCAGAATGAAGCCAATGCTGAGGCCTTGAAGGAGATGCTGG
GGGACAGTGAAGGAGAAGGGACAGTGCAGCTGTCCAGTGTGGATGCCACCTCCAGCCTGCAGGACGGAGC
CCCTCCCATCATCACAGTGCACCTGGGCTCTGCAGCCCTTGCTCCATTGCAGCCGAGCAAGAGG
CCTCCACTTGTCGTCAGGGACGCTCCAAGGAAGGAAAAAGCCGCCCGGACAGGGGAGACCACTGTGT
TCTCTGTGGGCAGGTTCCGGGTGACACACATTGAGAAGCGCTATGGACTGCACGAACACCGTGATGGCTC
CCCCACAGACAGGAGCTGGGCTCTGGTGGGGACAGGACCCAGGGGTGGTCAGGGGTCTGGGGGAGGG
CAGCCCAAGGCAGGGATGCCTGCCATGGAGAGGCTGCCCCCTGAGAGGCCACAGCCCAGGTCTAGCCA
GCCCCCAGTACAGAATGGAGGACTCAGGGACAGCAGCCTAACCCCTCGTGCCTGAAGGGAACCCAG
AGCTTCTGCAGAGCCAACACTGAGGGCCGAGGGAGGGGCCCAAGCCAGGGTGTCCCACTCAAGAGGCA
AATGGGCAGCCAAGCAACCAGACACTTCTGATCACCAGGTGTCTCTACCACAGGGAGCAGGGAGTATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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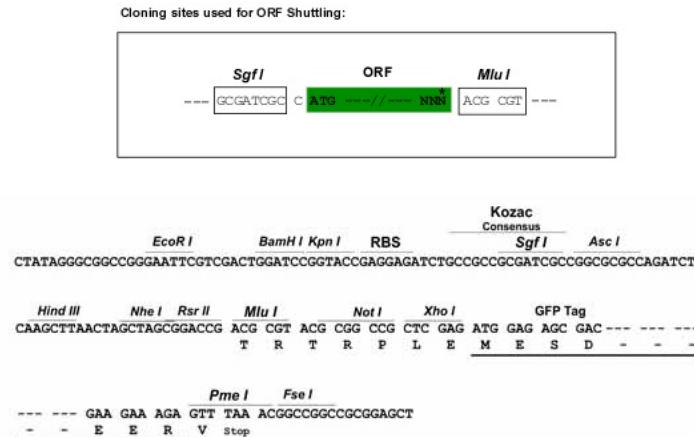
Protein Sequence: >RG225425 representing NM_001130029
 Red=Cloning site Green=Tags(s)

MSEPQPDLEPPQHGLYMLFLLVLVFFLMGLVGFMIHVLLKKKGYRCRTSRGSEPDDAQLQPPEDDDMNED
 TVERIVRCIIQNEANAELKEMLDSEGETVQLSSVDATSSLQDGAPSHHHTVHLGSAAPCLHCSRKR
 PPLVRQGRSKEGKSRPRTGETTVF SVGRFRVTHIEKRYGLHEHRDGSPTDRSWGSGGGQDPGGGQSGGG
 QPKAGMPAMERLPPERPQPVLASPPVQNGGLRDSSLTPRALEGNPRASAEPTLRAGGRGSPGLPTQEA
 NGQPSKPDTSDHQVSLPQGAGSM

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130029

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.

RefSeq: [NM_001130029.1](#), [NP_001123501.1](#)

RefSeq Size: 2171 bp

RefSeq ORF: 912 bp

Locus ID: 285613

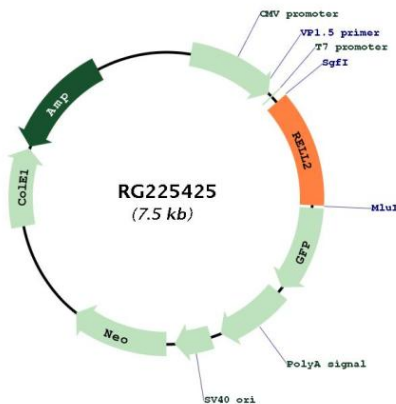
UniProt ID: [Q8NC24](#)

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 RG225425