

Product datasheet for SC316172

RELL1 (NM_001085399) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RELL1 (NM_001085399) Human Untagged Clone
Tag:	Tag Free
Symbol:	RELL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316172 representing NM_001085399. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCCGCGGGCACTCCCGGGGTCCGCGCTCCTAGCCGCTGCTGTCTTCGTGGGAGGCGCCGTGAGT
TCGCGCGTGGTGGCTCCGGACAATGGGAGCAGCCGACATTGCACTCCAGAACAGAGACGACCCCGTCG
CCCAGCAACGATACTGGGAATGGACACCCAGAATATATTGCATACGCGCTTGTCCCTGTGTTCTTTATC
ATGGGTCTCTTTGGCGTCCTCATTTGCCACCTGCTTAAGAAGAAAGGCTATCGTTGTACAACAGAAGCA
GAGCAAGATATCGAAGAGGAAAAGGTTGAAAAGATAGAATTGAATGACAGTGTGAATGAAAACAGTGAC
ACTGTTGGGCAAATCGTCCACTACATCATGAAAAATGAAGCGAATGCTGATGTCTTAAAGGCGATGGTA
GCAGATAACAGCCTGTATGATCCTGAAAGCCCGTGACCCCGAGCACACCAGGGAGCCCGCAGTGAGT
CCTGGGCCTTTGTCAACAGGGGGGACGCCAGGGAAGCACGTCTGTGGCCATCATCTGCATACGGTGGGC
GGTGTGTGCGAGAGGGATGTGTGTATCGGTGTAGGCACAAGCGGTGGCACTTTATAAAGCCCACTAAC
AAGTCCAGAGAGAGCAGACCACGGCGCCAAGGCGAGGTACGGTCCTTTCTGTTGGCAGATTTAGAGTT
ACAAAAGTGGAGCACAAGTCAAACCAGAAGGAACGGAGAAGCCTGATGTCTGTTAGTGGGCTGAAACC
GTCAATGGGGAGGTGCCGGAACACCTGTGAAGAGAGAACGCAGTGGCACAGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001085399
Insert Size:	816 bp


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001085399.1</u>
RefSeq Size:	1366 bp
RefSeq ORF:	816 bp
Locus ID:	768211
UniProt ID:	<u>Q8IUW5</u>
Cytogenetics:	4p14
Protein Families:	Transmembrane
MW:	29.3 kDa
Gene Summary:	Induces activation of MAPK14/p38 cascade, when overexpressed (PubMed:28688764). Induces apoptosis, when overexpressed (PubMed:19969290).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 3' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.