

Product datasheet for SC309259

RILPL1 (NM_178314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RILPL1 (NM_178314) Human Untagged Clone
Tag:	Tag Free
Symbol:	RILPL1
Synonyms:	GOSPEL; RLP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309259 representing NM_178314. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGAGGAGGAGCGGGGTGGCGCTGGCGGCCGAGTCGGCGCTGGAGAAGAAGCTGGCCGAGCTGACC
 GTCATGGACGTGTACGACATCGCGTCGCTTGTGGGCCACGAGTTCGAGCGGGTCATTGACCAGCACGGC
 TGCGAGGCCATCGCGGCCTCATGCCAAGGTCGTGCGCGTCCTGGAGATCCTGGAGGTGCTGGTCAGC
 CGCCACCACGTCGCGCCCGAGCTGGACGAGCTGCGCCTGGAGCTGGACCGCCTGCGCCTGGAGAGGATG
 GACCGCATCGAGAAGGAGCGCAAGCACCAAGGAGCTGGAGCTGGTGGAGGATGTGTGGCGAGGGGAG
 GCGCAGGACCTCCTCTCCAGATCGCCAGCTGCAGGAGGAGAACAAGCAGCTCATGACCAACCTCTCC
 CACAAGGATGTCAATTTCTCAGAGGAGGAGTCCAGAAGCATGAAGGCATGTGAGAGCGGGAGCGACAG
 GTGATGAAGAAGCTGAAGGAGGTGGTGGACAAACAACGCGACGAGATCCGCGCCAAGGACAGGGAGCTG
 GGCTGAAAAATGAGGACGTTGAGGCTTTACAGCAGCAGCAGACACGGCTGATGAAGATCAACCATGAC
 CTTCCGGCACCGGGTCACGGTGGTGGAGGCCAGGGGAAAGCCCTGATCGAACAGAAGGTGGAGCTGGAG
 GCAGACCTGCAGACCAAGGAGCAGGAGATGGGCAGCCTGCGAGCAGAGCTGGGGAAGTTGCGAGAGAGG
 CTGCAGGGGGAGCACAGCCAGAATGGGGAGGAGGAGCCTGAGACGGAGCCGGTGGGAGAGGAGAGCATC
 TCCGACGCAGAGAAGGTGGCCATGGATCTCAAGGACCCCAACCGCCCCCGTTACCCCTGCAGGAGCTG
 CGGGACGTGCTGCACGAGAGGAACGAGCTCAAGTCCAAGGTGTTCTTGCTGCAGGAGGAGCTGGCTTAC
 TATAAGAGTGAAGAAATGGAAGAGGAAACCGAATACCCCAACCCCAACCATCGCCCAACCGAGGACG
 TCCCCCAGCGGAGTCGGGCATCAAGCGACTGTTTAGCTTCTTCTCCGAGATAAGAAGCGCCTGGCC
 AACACACAGAGAAACGTGCACATCCAGGAGTCTTTGGACAGTGGGCAAAACCCACCGCATGACGGT
 TACACAGAGCAAGGACAGGAAGCCCTGCAGCATCT**GTGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_178314
Insert Size:	1212 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_178314.4</u>
RefSeq Size:	2913 bp
RefSeq ORF:	1212 bp
Locus ID:	353116
UniProt ID:	<u>Q5EBL4</u>
Cytogenetics:	12q24.31
MW:	47.1 kDa

Gene Summary:

Plays a role in the regulation of cell shape and polarity. Plays a role in cellular protein transport, including protein transport away from primary cilia. Neuroprotective protein, which acts by sequestering GAPDH in the cytosol and prevent the apoptotic function of GAPDH in the nucleus. Competes with SIAH1 for binding GAPDH (By similarity). Does not regulate lysosomal morphology and distribution.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.