

Product datasheet for **SC123848**

RILP (NM_031430) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RILP (NM_031430) Human Untagged Clone
Tag:	Tag Free
Symbol:	RILP
Synonyms:	PP10141
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_031430 edited
 ACGGCTTCTGGGGCGGAACTGTTTCGCTTTTCCCGTCCCAGTGGAGGGTGGGGTGGG
 GGGTCGCAGCCCTAAGCCTCTGGGAGACATGGAGCCCAGGAGGGCGGCGCCCGGGGTGCC
 TGGCTGGGGTCTCGGGAGGCCGCGGGTCCGATCGGCCGCGGAGCTTGTGTACCATCT
 AGCCGGGGCCCTGGGACTGAGCTGCAGGATCTGGCGCCGCTTTCGGGCCGAGGCGGC
 GGCCGGGCTGGTCCGCTAGTGGTGCGGCGCTGGAGCTTTGGAACAGGCTGCCGTGG
 GCCCGCCCGGACTCGCTGCAGGTGTCCGCGCAGCCGCGGAGCAGGAGCTGCGGCGCT
 GCGGGAGGAGAACGAGCGCTCCGCAAGGAGCTGCGCGCGGGGCCACAGGAGGAGCGCGC
 GCTGCTGCGGCAGCTCAAGGAGGTCACGGACCGACAGCGGGACGAACTCCGGGCGCACA
 CCGCGACTGCGGCAGCGCGCCAGGAGACCGAGGCGTTGACAGGAGCAGCTGCAGCGCT
 CCTGCTGGTGAACGCTGAGCTGCGGCACAAGCTGGCGGCCATGCAGACCCAGCTGCGCGC
 CGCGCAGGACCGGAGAGGGAGCGCCAGCAGCCTGGCGAAGCCGCGACTCCGAGGCTAA
 AGAGCGAGCGCGGGGAGGCGCGCCCGGGCACCAGCACGGACAGGAGCCGAATG
 GCGCACCGCGCGCAGGCGCCAGGGAACCTGAGGACCCGCGGAGGCGCGCAGCA
 GCTCGGGCGCCCTCGGAGGCAGGGCAGTCCGCTTTCAGTCGGGAGGAGTTTGTAGCAGAT
 CCTTCAGGAGCGAATGAACTCAAAGCCAAAGTGTTCCTGCTCAAGGAGGAACTGGCCTA
 TTCCAGCGGGAGCTGCTCACAGACCACCGGTCCCGGCTTCTGCTCGAGGCCATGAA
 GGTGGCTGTCCGGAAGCAGCGGAAGAAGATCAAGGCCAAGATGTTAGGGACACCAGAGGA
 AGCAGAGAGCAGTGAGGATGAGGCTGGCCCATGGATCCTGCTCTCCGATGACAAGGGAGA
 CCATCCCCACCCCGGAGTCCAAAATACAGAGTTTCTTTGGCCTATGGTATCGGGGTAA
 AGCTGAATCCTCTGAGGATGAGACCAGCAGCCCTGCACCCAGCAAGCTAGGGGGAGAAGA
 GGAGCCCAACCACAGTCTCCAGCTCCTGATCCGCCCTGTTCTGCCCTCCACGAACACCT
 TTGTCTGGGGCCTCAGCCCGCCAGAGGCTGACTTAGGGGTCTGGCTGTGGAAGATG
 TGTGGCCTCAAATGAGGACAGGGTCCCGCTTACAGCCCTCGCCAGGGTCTGCCCA
 ATCCTGGCTGCATCAGGACAGGACGGGTCTCAGCCCGCTCCCTCTCTACGTCTCTGT
 ACCGAGCCTCTGGGGCCAGATATAAGAGTGCTCTCTGAGTCTCAGTTTCCCATCCATG
 AAATGAGAGCTGACTGCCTAGCTCCAGGGCTTTGTGCAGACGGCCTGAGCTCATGTAAT
 AAAGAAGTCCCGTAATACACAGAACTGTTAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_031430 unedited
 GCATTTTGTACATCGACTCACTATAGGGGCGGCCGGAATTCGCGGATACGGCTTCTG
 GGGCGNACTGTTTCGCTTTTCCCGTCCCAGTGGAGGGTGGGGTGGGGGGTTCGCAGCC
 CTAAGCCTCTGGGAGACATGGAGCCCAGGAGGGCGGCGCCCGGGTGCCTGGCTGGGGT
 CTCGGGAGGCCGCGGGTCCGATCGGCCGCGGAGCTTGTGTACCATCTAGCCGGGGCC
 TGGGACTGAGCTGCAGGATCTGGCGCCGCTTTCGGGCCGAGGCGGCGCCGGCTGG
 TGCCGCTAGTGGTGCGGCGCTGGAGCTTTGGAACAGGCTGCCGTGGGGCCCGCCCG
 ACTCGCTGCAGGTGTCCGCGCAGCCGCGGAGCAGGAGCTGCGGCGCTGCGGGAGGAGA
 ACGAGCGCTCCGCAAGGAGCTGCGCGCGGGGCCACAGGAGGAGCGCGCGCTGCTGCGGC
 AGCTCAAGGAAGTACGGACCGACAGCGGACGAACTCCGGGCGCACAACCGCGACTGC
 GGCAGCCCGGCAAGAGACCGAGGCGTTGCAAGAGCAGCTGCAGCGCCCTGCTGGTGA
 ACGCTTAACCTTCGGCACAAGCTGGGCGCATGCAAACCAACTGCCCCCTCGCAAGAAC
 CCCCAGAGGGACCCCGCAACCTGGCGAAACCCGCACTCCCAGGCTAAAATACAAAACC
 GGGGAAGGCCGCGGGCCGGCACCCACAGGGAAGGAGCCCTAAGGGCAACCCCGCGC
 CAGCCCCCAAGGAACCTGGGCACCTGGGAGGGCTCAAATCACCTTTGCCCTTGTGA
 AGCGGGAATGACCTTCTACTCGGGGATTGAGCTATCCTCACGGAGCGGAGGGAATACAA
 CCACAAGTTTCGACAAAGGAAATAGACTTACGTTTAATGT

Restriction Sites: Please inquire

ACCN: NM_031430

Insert Size: 1700 bp

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).
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:	NM_031430.1 , NP_113618.1
RefSeq Size:	1811 bp
RefSeq ORF:	1206 bp
Locus ID:	83547
UniProt ID:	Q96NA2
Cytogenetics:	17p13.3
Gene Summary:	This gene encodes a lysosomal protein that interacts with RAB7, a small GTPase that controls transport to endocytic degradative compartments. Studies using mutant forms of the two proteins suggest that this protein represents a downstream effector for RAB7, and both proteins act together in the regulation of late endocytic traffic. A unique region of this protein has also been shown to be involved in the regulation of lysosomal morphology. [provided by RefSeq, Sep 2011]