

Product datasheet for MC214350

Rilp (NM_001029938) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rilp (NM_001029938) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rilp
Synonyms:	Al835553; Gm857
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214350 representing NM_001029938 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAGCCCAGGAGGGCAGCGCCAGGCTACCCAGTCAGGCCTCTTCTTCAGTGGGCGCAGGGTCAGCCG
CCGAGCTCGTGTACCATCTAGCGGGGGCTCTGGGCACTGAGCTACAGGGGCTGGCAGCCGCTTCGGACC
CGACGCGCGGCTGGGCTGGTGCCACTAGTCGTGCGGGCGCTGGAGCTCTTGAAAAGCCGCGCTGGGG
CCGGCTCCGACTCGCTGCAGGTGTCCGCACAGCAGGCAGAAGTGAGCTGCGGCGGCTGCGCGAGGAGA
ACCAACGCCTCCGCCAGGAGCTAGGCTCCGGGCCGAGGAGGAGCGCGCTGCTCCGACAGCTCAAGGA
GGTGACAGACAGACAGCGGGATGAGCTTCGGGCACACAACCGAGATCTGCAGCGCCGAAGCCAAGAGACC
GAAGCGCTGCAGGAACAGCTACAGCGCCTCCTGCTGATCAACTCTGAGCTGCGGCACAAGCTGGCTGCAG
TGCAGACCCAGTTGAGGGCCGCCAGGACCGGGAGAGGGAGCGCCAGATAGCTCAGGATGGCTCCAGCCA
GCTGGCTAAAGAACAGAGCTTGGAACCTGATGCGGCAACCTCAGATGACCCGGTGGATACTCAGAAGCAG
CCAGGGAACCTTCCAGAAGCTGTCCAGTGTGGATTGAGCAGGGAAGAGCTTAAGCAAATCCTTCAGGAGC
GGAATGAGCTCAAAGCCAACGTGTTCTTGCTCAAGGAGGAGTTGGCGTACTTCCAGCGAGAGCTGCTCAC
AGATCACCGTGTCTCTGGCTTCTGCTTGAAGCCATGAAGGTGGCAGTCAAGAAACAGAGGAGGAAGATC
AAGGCCAAGATGTTAGGGACACCTGAAGAAGCAGAGAGCAGTGAGGATGAGGATGGCTCGTGGCTCCTGC
TCTCCAACGACAAGGAAGATGTTCCCTAGTTCCTGAGTCCAGAATCCAGAATTTCTTTGGCTTATGGTA
TCGGGGTGAAACTGAGGCCCTGAAGCCGAGACCAGCAACCCAGCTTCCAGCAGCCTACAGAAAGGAGAA
GAGACCCACAGCAACCCACCTGCAGCCTGTGAACAGCCCTCCAGCCCCAACTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001029938
Insert Size:	1110 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>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001029938.2 , NP_001025109.1
RefSeq Size:	1510 bp
RefSeq ORF:	1110 bp
Locus ID:	280408
UniProt ID:	Q5ND29
Cytogenetics:	11 B5
Gene Summary:	Rab effector playing a role in late endocytic transport to degradative compartments. Involved in the regulation of lysosomal morphology and distribution. Induces recruitment of dynein-dynactin motor complexes to Rab7A-containing late endosome and lysosome compartments. Promotes centripetal migration of phagosomes and the fusion of phagosomes with the late endosomes and lysosomes.[UniProtKB/Swiss-Prot Function]