

Product datasheet for RN210526

Rilpl2 (NM_001004205) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rilpl2 (NM_001004205) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rilpl2
Synonyms:	MGC94142
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210526 representing NM_001004205 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGCCCCAGTACGGGAAGAGGAGGACGGCGAGGAAGACGAGGGCGCCCTGGCCAAGAGCCCC
TGCAGCTGACCACCGAAGACGTGTACGACATCTCCTATGTGGTGGGCCGCGAGCTGATGGCCCTGGGCAG
CGACCCCGCGTCACCCGGCTGCAGTTC AAGATCGTACGTGTGATGGAGATGCTGGAGGCGCTGGTGAAT
GAGGGCAGCCTGGCGGTCGAGGAGCTGAGGATGGAGAGGGACAACCTCAAGCAGGAGGTGGAGGGGCTGC
GGAGAGCCGGTGTGCCGATCCGAGGTGAACCTGGGACCGACAAGATGGTAGTTGATCTGACAGACCC
CAACCGGCCCGCTTTACCTGCAAGAGCTGAGGGACGTTCTGCAGGAACGCAACAAGCTCAAGTCGCAG
CTGCTGCTGGTGCAGGAGAACTGCAGTGTACAGGAGTGGTCTCCTTCCACCCAGAGAACTCCAGGAG
GAAGAAGAGAGAAAGACGCTATGGTTACCATGGGCAACGGCGAGAAGGAGGAGAGGACCATTATGAAGAA
GCTGTTCTCTTTCCGGTCAGGGAAGCACACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001004205
Insert Size:	594 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).
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_001004205.1</u> , <u>NP_001004205.1</u>
RefSeq Size:	1317 bp
RefSeq ORF:	594 bp
Locus ID:	288652
UniProt ID:	<u>Q6AYA0</u>
Cytogenetics:	12q15
Gene Summary:	Involved in cell shape and neuronal morphogenesis, positively regulating the establishment and maintenance of dendritic spines. Plays a role in cellular protein transport, including protein transport away from primary cilia. May function via activation of RAC1 and PAK1. [UniProtKB/Swiss-Prot Function]