

Product datasheet for **MC203651**

Rilpl1 (NM_021430) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rilpl1 (NM_021430) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rilpl1
Synonyms:	2900002H16Rik; 6330559I19Rik; GOSPEL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051945
 GGGACCGGAGCCGGGGCGGAGCTTCGGCTTCGCGGGGCTGCGCACCGAGACCCCGGGGACAGAGACTC
 GCTCCCCCTCCTCTCAAACCCACGTGCGCTCGCAGCGTTCACCGGGGAGGAGCCGGCCAAACGGAGTC
 ACTCGGCGTCACCAAAGTTTGTATTCTCCTCCTCCGGGAGGAGTCTCCGGGCCGCGGTCCCTCCGGGCACCG
 GGCGCCACCGCTCCCAGGCCGGACCCCGCTCCATCGCACCCAGTTGGAGCATCAAGTCCGGAGACG
 CTGCGGGCCTGCGCACGCGCCGCGCCCTCGCCCTCCTCCCGCGGTGCTCCAGGCCCCCGCACTCCCC
 CCCCCCAAGTTCACGAGTTACTGGAGTGGACGGACGGTGGGAGCCCGCGCAGGGCCATGGAGGAGCCG
 CTAGGGTACCGCCCGCCCTGTGCGCTCTGGAGAAGAAGCTGGCGGAGCTGACCGTCATGGATGTGT
 ACGATATCGCGTCGCTCGTGGGCCACGAGTTCAGAGGGTCATCGACCAACACGGCTGCGAGTCCATCGC
 ACGCTCATGCCAAGGTCGTGAGGGTCTGGAGATCCTCGAGGTGCTGGTTAGCCGGCACCACGTGCT
 CCCGAGCTAGACGAGTGCCTGGAACGGACCGGTTGCGCGTAGAGAGGATGGACCGCATTGAAAAGG
 AGCGCAAGCATCAAAGGAGCTGGAGTGGTGGAGGACGTGTGGCGGGTGAAGCACAGGACCTCCTGTC
 CCAGATTGCCAGCTGCAGGAGGAGAATAAGCAGCTGATGACCAACCTCAACCACAAGGACGTGGGCTTC
 TCCGAGGAGGAGTCCAGAAGCAGGAAGGCATGTCAGAGCGTGAGCGGCAGGTGATGAAGAGGCTGAAGG
 AGGTGGTGGACAAGCAGAGGGATGAGCTCCGAGCCAAAGACAGGGAGCTGGCCTGAAGAATGAGGACGT
 CGAGGCTTTGACGAGCAGCAGAGCGAGGCTAATGAAGATCAACCATGACCTTCGGCACCGGGTACCGTG
 GTTGAGGCCAGGGAAAGCCCTGATTGAGCAGAAGGTGGAGCTCGAAGCAGACCTGCAGACCAAGGAGC
 AGGAGATGGGCAGCCTGCGGGTGAACCGAAAGCTTCGCGAGAGGCTGCAGGGCAGCACAGCCAGAA
 TGGGGAGGAGGAGGAGGCTGAGATCCAGCCGACCCAGATGGAGAGGAATCGATTTAGATGCAGAGAAG
 GCCGCCCTGGACCTCAAGGACCCCAACCGCCGAGGTTACGCTCCAGGAGCTGCGGGACGTCTGCACG
 AGAGGAACGAGCTCAAGTCCAAGTGTTTCTGCTGCAAGAGGAACTGGCCTACTATAAGAGTGAAGAAAT
 AGAAGAAGAGAATCGAATACCCAGCCTCCGCCATTACACACCCGAGGACGTCCCCCAGCCTGAATCG
 GGGATCAAGCGACTGTTTAGCTTTTCTCCCGGACAAGAAGCGCCTGGCCAACACGACAGACCCACAC
 ACATCCACGAGTCTTTGGCCAGTGGGCAATTACCCAGCGAGATGACGGGTACACAGAGCAAGGACAGGA
 AGCCCTGCAGCAGCTGTGACTGTACCTCTGCTGGACTGCTGCCACCAGCTCTAGGTGGCGGCCCTC
 AACATCAGTTCCTCAAACGAACTGTCTGCTTTGAGGACTGATGACGAAAACTGATGCCAAATTTGAAA
 AAGTGTATTTATCTGCAGGGCTACCCAGTTTATACTCAATGCCTCGAAACCTTAGGACCTCTATTT
 AATAAGATGAGGATATGAAACCAGACCATTAATTTAGTTAACAGGCTTTCTAAGCTGAACACTTCGC
 CACTATCATAGCTGTTTGACTCCTAGGTTTTGTTGTTTTCTTACGGCCTTTGTCGGTGAGGAGCAGAGG
 AAGGGAGTTTTATATCATGAAGTGGCCTGGAGGTAGCAGGCTATACATAACAGGAAGCGTGAATCGGAC
 AGGTGGAGCCTCGGATCATAGGATGGACTACCCAGTTTGGCTGGGACACAACAGAAAATCATGCAGTTCT
 AGCCACTCGCTAGAAACAACCACAGGACTGTACACTTTGTTCTGATAAAGCTAGAGGCCCAAGAAGCCT
 GTCCGAGATGGTGTGCCTTGAATCTGCTGTGAGCTACGCACTAACCACAAATGTTGTTTAGGATG
 AGACATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_021430

Insert Size: 1221 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:

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: [BC051945](#), [AAH51945](#)

RefSeq Size: 2281 bp

RefSeq ORF: 1221 bp

Locus ID: 75695

UniProt ID: [Q9JJC6](#)

Cytogenetics: 5 F

Gene Summary: 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. Does not regulate lysosomal morphology and distribution (By similarity). 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.[UniProtKB/Swiss-Prot Function]