

## Product datasheet for **MC218366**

### **Rshl2a (BC110284) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rshl2a (BC110284) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rshl2a
Synonyms:	Rshl2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC110284  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGCCACCAACATTTGGGCGGCCCTGCCTGCCAAGAAGCGGCCACTGCACCAGCGCGCCGACGAC  
 CAGCAGGTGGGCGGGCCGCGAGCCGGAAGTGCCCTTTACTACAGACCCTTCGGGAAACCCAGCTGGCCG  
 GAACTGCCTGGAGTTCCTGCCTCCAGGCGGAACCTCGGGTTGCTCGCAACCGATGGGGGCGCAACTGAC  
 TCCCTCCACGTTCCCGAGAGAAACCTGAGGGTACCAGCAACCTGCTGCTGGGGCCCCCTCGCGTCCCGCC  
 CGCTTCCCGAGAGCGCGCTCCTCGGGTGCAGCATCCCTGCCCTTGGCACTACTTACAAGTCTCCGA  
 CTACGACGACTCCTTAGCCCCAACCTGCTTCAGAGCCACCTTACCAGGAGGGAAGCAGTTCGACGCTC  
 AACAAAGGCTTCGGCGATGACAGACCGTAACCTAGGACAGCCGAGGCCTCAGGCCTACACCTATTCCA  
 GCAGGCCCGGGCGTGGCTTGCAGCGCCGCCGCTACGGAGACAGCATTTTGCAGCCAGTTGAAGAACC  
 TATGAGTTACGGGAACATCATGTATGACAGAAGGGTGATCCGAGGCAACACCTATGCACTGCCACAGGA  
 CAGGTGCCTGGACAGCCTGATCCTCTAGAGCTTACGCGACAGCAGCAGGCCAGGAGAAGGGCTTTGCCA  
 GAAAACGAGCCCAGGAGCAGCTCAAACACGAACGCCTGAGCCCTGGAGGGCAGAAAGCATGTGGACAT  
 ACAGACAGAATTGACCTTGAAGAAATTGCTGATCGCATAGTTGAAGTCGACATGGAATGCCAGACAGAT  
 GCATTTCTGGACAGACCACCCACCCCTTTCATTCTGCCAAAAGTGGCAAAGATGTGGCCACTCAGA  
 TCCTGGGAGGAGAGCTTTTTGACTTTGACCTTGAAGTCAAGCCCATGTTAGAGGTTTTGGTGGGGAAGAC  
 GATTGAACAGTCCCTTCTAGAGGTGATGGAAGAGGAGGAGCTGGCCAACCTGCGGGCCAGGCAGTATGCA  
 TATGAAGAGATAAGGAACGTGGAGCTGGCCGAAGTGCAGCGACTGGAAGAGCAGGAGAGAAGGCACCGAG  
 AAGAAAAGGAGCCCGTAAAAAACAGCAGTGGGAGATTGCCATAAGCAGAATGAGACGTCACAGAAGAT  
 CTCAGCTCGGGCATTCACTCAGCAGTACCTGGCTGACCTCCTCCCATCTGTCTTTGACAGTCTCAGGAAT  
 AGTGGCTACTTTTATGATCCAATTGAAAGAGATATTGAGGTAGGATTCTCCCATGGCTAATGAATGAAG  
 TTGAAAAATCCATGGAACACAGCATGGTGGGAAGAACTGTGCTTGACATGTTGATTGCGTGAAGTGGTTGA  
 AAGAAGGATCAACGATTACGAGCATAAGGAAGCCATGCTGCCTGCTCAGAAGACAATGATGTGATTAAT  
 GGTCTAACACAGTGACAGATCCCTCGGTGAGTTTGAATACAGGAGTCAACCACATTGCACATGCAGA  
 AGCCAGTTTTAGACAGAGTCTCCTCACAGCCAGCACCATCCCAAGAAAGGAAGCCTGTGGAAGAGGAGGA  
 CACCTTATGGCAGAGTGACCAATCAGAAGTGGGGAGTCTGTAGGGGAGGAACTGTACAACCAGAAGGC  
 TCACTGGAGCCAGAGAGCAGCTCAACATCTGGTCAGTTATA

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC110284

**Insert Size:** 1722 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:** [BC110284](#), [AAI10285](#)

**RefSeq Size:** 1972 bp

**RefSeq ORF:** 1721 bp

**Locus ID:** 66832

**Cytogenetics:** 17 A1

**Gene Summary:** Functions as a protein kinase A-anchoring protein that scaffolds the cAMP-dependent protein kinase holoenzyme. May serve as a point of convergence for MAPK and PKA signaling in cilia (By similarity).[UniProtKB/Swiss-Prot Function]