

## Product datasheet for **MC219557**

### **Rtkn2 (NM\_001081346) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rtkn2 (NM_001081346) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtkn2
Synonyms:	B130039D23Rik; Mbf; Plekhk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219557 representing NM\_001081346  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGGCAGCTGCTGAGGGTCTCGCCGCGCAGCAGGACTGCAGCATCCGAGAGAAAATAGACTTAG  
 AGATCCGCATGCGAGAAGGAATATGGAAGCTGCTCTCGCTGAGTACGAAAAAGACCAAGTTTTGCATGC  
 AGTTAAGAACCTCATGGTGTGCAGTGTCTCGGATCCAGGCGTACACGGCAGAGCTGCAAGAAGTCAAAAAGAA  
 GAGATTGCAAAATCAAACCGGAGCACGGGATTCGAGTTCTGAAAATAAAGAAGGAGAATCCTGCAGAGGAA  
 AGATCGCCCTGTGAGATATCCGAATACCATTAATGTGAAAGACTCCGATCACTTCAGTAATAAAGAATG  
 CACACAGCGCTTCGCCATCTTTTCTTATTTCAGGATGGGAGCTCAGGTGTTTGACACGGACATGGTGATT  
 GTGGACCAGACAGTCACAGATATATGTTTCGAAAATGTCACCATCTTCAACGAGGCAGGACCGGACTTCC  
 AGATAAGATAGAAGTCTACAGCTGCAGCGCAGAGGAGTCTCCCTAACCAACACCCCGAGGAAGCTGGC  
 TAAGAAGCTGAAGACGTCCATCAGCAAAGCCACGGGAAGGAAAATCAGCGCAGCGCTCCAGGAAGAGAGC  
 CCAGAGGCGTGGCTGCTCGCTGGTTCTGCAGTTCTGGGTGCAAAGTACCATTTGCTGGCTCATACCACCC  
 TGACCTTGAAAAATGCTGGAGACTGCTTTAAGACCCATAACCTGTCTGTTACGGAGATGAGGAGTGTTT  
 CTTTTGGCTTCCCTTGTATGGCAACGTGTGCTGCCGGCTGGTGGCCAGCCAGCTTGCATGGCTGCAGAT  
 GCATTTGCAGGATTCCCTAATGAACAGCAAACAGGAAAAGGTCTGGTTGGCTGGAGAAGGCTGTACTGTG  
 CTCTGAGAGGGGGTAACTCCGCTGCTTTTATGGTCCGGAAGAAATTGAAGCTAAAGTGGAGCCGGCTCT  
 GGTGGTTCCCTATTGACAAGGAAACCAGAATTACGGCCGTGAAAAGGATTCAAAGAAAATGCACTGTTTC  
 TCTGTCTCAGCACAGCCGCTGGGCGGGCGGTGAGTCACATCTTTCGGCTGACAGCCTAGCAGACTTTC  
 AGGAGTGGATGGGCGCCTCCGGCAACATTTCTTTGATCTCAGCCAATGGAAGCATTTGTTGTGAAGAACT  
 TATGAGAATTGAGATTATGTACCACGAAAACCACCTTTGTTCCCTGGCAAAGGAGGCGACCTCAGTGAT  
 TATGATATGAGCATCGATTACCCGTGAAACTGGAAAAGTAAACAGACATAATACAAAAGAAAATCGGAG  
 AGACCAACCGACAGTTCCCTCATTGGTCTGGGATGACCAATCCGCAGCACCCCGTGGGCGCTGTCTTTGA  
 TGGCAATCAGGAAATGGTCATAGAGAAGAAAGTGTGTCCTCAATAGGCGAACCGGCTCCGGATGGAAAA  
 AGAAAAAAGAGGGCAGCCCACTCCCTCTACCGATCAGCCGCCCTTCTGCATAAAAACCCAGGGTAGAG  
 CGAATCAGTCCAAGGACAGCGCAACCCAGGCTGGGGTCTCTGGAGCCTCATCTTCGCTTCGGATCCAG  
 ACTGTCGCGCCCTACGCATCATCTCCAGAACTGTGGCAGCCCTCGCAAATCTCCCTGCCAGGAAG  
 AACAGTTCAGCGGACATTGGGCACAGGACACTAAAACAGCCTTGATGCGAAGCCAGTGCCAGTCCAA  
 GGCAGAAATCCATCAGAGACATTCTGGACCCACGATCTTGGCTCCAAGCACAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001081346
- Insert Size:** 1809 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:** [NM\\_001081346.1](#), [NP\\_001074815.1](#)

**RefSeq Size:** 3932 bp

**RefSeq ORF:** 1809 bp

**Locus ID:** 170799

**Cytogenetics:** 10 B5.1

**Gene Summary:** May play an important role in lymphopoiesis.[UniProtKB/Swiss-Prot Function]