

## Product datasheet for **MC219737**

### **2810403A07Rik (NM\_028814) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	2810403A07Rik (NM_028814) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	2810403A07Rik
Synonyms:	A430106P18Rik; AI256352; AI451678; Blom7; Kiaa0907
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219737 representing NM\_028814  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGCGAGGGAGCGGACACATCCTGCCGCTGGCGGGCGCCGAGCAAATGGGATCAGCCAGCGCCAG  
 CTCGCTTCTCTTCTGCGCCAAACGGCCCAAGGTGGAGAAGTCGCTGGCAGCGGGCGAGCCCGGGG  
 CGCCACCACCGCCGCGCTCCTTCAGGAGCCTTGATGCCGCGCTGCCGTGGCTGCCAAGATCAATGCT  
 ATGCTCATGGCCAAAGGGAAGCTGAAACCATCTCAGAATGCGGCCGAGAAGCTTCAGGCCCTGGCAAAA  
 GCCTAACTAGCAATAAAAGCAAAGATGACCTGGTGGTGGCTGAAGTAGAAATCAATGACGTGCCTGAC  
 ATGCAGAAACCTGCTGACACGAGGACAGACACAAGATGAGATCAGTCGGCTTAGTGGGGCTGCTGTGCA  
 ACTCGGGACGGTTCATGACGACTGAGGAGAAGGCCAAAGTGGGACCTGGAGACCGTCCATTGTATCTTC  
 ATGTTCCAGGGACAGACACGGGAATTAGTAGACAGAGCTGTAACCGAATCAAAGAATAATCACCAATGG  
 AGTGGTGAAGGCTGCCACAGGGACAAGTCCAATTTCAATGGTGAACAGTCACTGTCTATCACCAGCCA  
 GCTCCCATTGCTCAGTTATCACCTGCTATTAACCAAGAAGCCTTCCTCCAGTCCGGAATGCATTATGTTT  
 AAGATAAACTATTTGTGGGTCTAGAACATGCGGTGCCCACTTTTAAATGTTAAAGAGAAAGTAGAAGGTCC  
 AGGCTGCTCTATTTGCAACACATTCAAATGAAACTGGTGCCAAAGTCTTTCTACGAGGGAAAGGCTCA  
 GGCTGCATTGAGCCAGCGTCAGGCCGAGAGGCTTTTGAACCCATGTATATTTATATCAGTCATCCCAAC  
 CTGAAGGCTGGCTGCTGCCAAGAAGCTCTGCGAGAATCTTTACAAACAGTTTCATGCTGAGTATTCTAG  
 ATTTGTGAATCAAATTAATACTGCTGTACCATTACCAGGCTATACACAACCCTCTGCTATAAGTAGTATC  
 CCTCCTCAACCACCATATTATCCATCCAATGGCTATCAGTCTGGTTACCCTGTTGTTCCCCCTCCTCAGC  
 AGCCAGTTCAGCCTCCCTACGGAGTACCAAGCATAGTGCCACCAGCTGTTTCATTGGCACCTGGAGTCTT  
 GCCAGCATTACCTACTGGGGTCCCACCTGTGCCAACACAGTATCCGATAACACAAGTGCAACCTCCAGCC  
 AGCACTGGACAGAGCCCAATAAGTGCTCCTTTTATTCTGCTGCTCCTGTCAAACTGCCTTGCCTACTG  
 GCCCCAGCCCCAGCCCCAACTCCAGCTCAGCCACAGTCACAGAAGAGGCGATTACAGAGGAGCTGCC  
 TGATGAACGGGACTCTGGACTGCTTGGATACCAGCATGGACCCATTATGACTAATTTAGGTACAGGC  
 TTCTCCAGTCAGAATGAGATAGAAGGCGCAGGATCGAAGCCGGCAAGTTCCTCAGGCAAAGAGCGGAGAGA  
 GGGACAGGCAGTTGATGCCTCCACCAGCCTTTCCAGTACTGGAATAAAAAGTACTGCTGATGAAAGGAA  
 TGGGTCTGGGCTTAGCCGGAAGCCATGATTATCCAGCCAAGAAGATGAAAACGGCAGAGAAGGGATTT  
 GGCTTAGTAGCTTACGCTGCAGACTCCTCTGATGAAGAGGAAGAATGGAGGTCATAAAAATGCAAGTA  
 GCTTTCCACAGGGCTGGAGTTTGGGCTATCAGTATCCTTCATCACAGCCAGGAGTAAGCAGCAGATGCC  
 ATTTTGGATGGCCCC**ATAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_028814
- Insert Size:** 1839 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\\_028814.3](#), [NP\\_083090.2](#)

**RefSeq Size:** 2999 bp

**RefSeq ORF:** 1839 bp

**Locus ID:** 74200

**UniProt ID:** [Q3TCX3](#)

**Cytogenetics:** 3 F1

**Gene Summary:** RNA-binding protein involved in pre-mRNA splicing. Interacts with the PRP19C/Prp19 complex/NTC/Nineteen complex which is part of the spliceosome. Involved in regulating splice site selection. Binds preferentially RNA with A/C rich sequences and poly-C stretches. [UniProtKB/Swiss-Prot Function]