

## Product datasheet for **MC202241**

### **Efcab2 (NM\_026626) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Efcab2 (NM_026626) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Efcab2
Synonyms:	1700073K01Rik; D830011E08Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC025062 sequence for NM\_026626  
 AGAAATAAGCAAGGCACACTACGTCCTTGACAGTACAATCAGGCCAGGCGGGTCCGGAGCCTTGTTA  
 ATAAATGACGCCCTAGGCCAAAGAACGCGGGCTCGGTTCTGGTGGGGCGGGGATCGGGGGCCACC  
 GTGCATCCAGGGGCTTTCTCCGCCCGGGGTCCCGCAGGGTTCGTGCTGGATGTCTCCCGGGCAGCCGG  
 CTCCGCACCAAGATGGCGGAGGAAAGGGACGCGGAAGGGACAGAGGCACTAATTGCAGAACTTCATAAGA  
 AGATCAAAGACGCATTTGAAGTGTTCGACCATGAATCGAATAATACAGTAGATGTGAGAGATTTGGGAC  
 AATTATCAGGTCATTAGGATGCTGCCCGACTGAAGGAGAGCTGCATGATTTTCATTGCAGAGATAGAGGAA  
 GAAGAACCACCTGGCTACATTCGATTTGAAAAATTTATCCAGTGATGACCAGAGCCCTTGTAGAAAGAA  
 GATACAGACCAGCTGCTGAAGATATCCTTTTTCGAGCTTTCGAGGTTTTGGATCCAGCTAAACGCGGGT  
 TCTCACTAAGGATGAAGTGTCAAGTACATGACTGAGGAAGGTGAGCCTTTTTCCCAAGAGGAAATGGAA  
 GAAATGTTGTCTGCTGCAATTGATCCCGAATCAAACACCATTAATTATAGGGACTACATAACAATGATGG  
 TGGTAGATGAAAATTAATGCTGCAAGACTTCTTTTTCTCCTTTAAGACAACGTAAACATTCAATT  
 TCTAGTTGAAATGATAATTTGAAAATTTGTCCTAATTAATTTACATTTTATTGTATAATTTCTACATTT  
 AGTGCCTTATGACATAATGTTTCAAGGATTTTGTACTAGAGATGATCAGTTTAAAACATAAATTTA  
 TTTAGTATGACCAGATTTATGGAAGGACAAGTTAATTATTTCAAAGGAATTGTACAGTATTTAATGTTA  
 AATGTATCGTTGCTTATTTCCACAACCTAGGCCAATGATACATTGAAACTAATTAGAAAAGTGAGATTGAT  
 CCTAACCCCTAACATTTGCCATAGAAAGCTCTTGACAGGCGAGGATGGCCACAGACTAGATGTGAGTGGC  
 AGCTTGGTGATGGCTGCCTTTCAGAGCAGCAGTAAACACTTCAGCAAGCAGAATATGGAGGGAGAGCGAC  
 CAGAATAACTATTAATAATTGATTTCTTATGAATGCCAATTACAAATCTCATTGAGAGTCTAATAACTT  
 TGAGTAAAATTGAAAATTTGCTCATCCAGCATTTTGCCATTTATGGAATAGCTAAAGGAGGTGAGATAATT  
 GGATCCAGAGAAAGGAAGACTGAATGAAAGCTGATAATGGCAACTCTTTTTTGTCTTTAGAATTCTC  
 ACCTATTCAGAATATCTGTCATGGGAATATTGTCTGGATACTGCGTGTATTCATCTGTTGTTACCAGAA  
 TGTAGTATCTGATAAGGGCTGACTCCAGAAGAAAGAGATTCATTTAGCTCACAGTTATAGATGGTCAAGG  
 TCCAGGCAGCATTGTACAGGCTGAGCTAGGGCCACCCGTGTATGCATCTCACCAAGGTACAGCTAGCCAG  
 ACAGAAGCACAAGCAAGCAAGAGCAGAGAGGCTGGGAGGAGGGTTCAGGCCTGTTCTTTTACAATAGTC  
 CTCTCATAAGAATTACTTTCCAGGCTGGGGAGATGGCTCAATGGGTAAAGCATTGCTGAGTATCATTAG  
 ATAATGTGGTGAAGCTGGAGATGAAAGATGGATAAACCTCTAATTAATCAAGGTCACAGTTTAGTGAGG  
 GAGTCTTGCAAGTAAGTCAATGAGCAACCACACATTCAGGGGACTGAAGGTTGCACAAAAGAAGCAAAA  
 AAGCCTGGTGGGATGAGGGTCTTTCTGGTGGCAGACTCAAAGAGGTAACACATGACTTACAAACTCAG  
 TAGTCTTAAGTTTTGACAAATAGTCATTTCTTGTGAGCAGTTACTTCAGAGCATGTGAGCAGCAGGACAG  
 CAGATCAAACCCAGAGGTGCTCTGAAACGCAAGAATCTGGGATTGAAAGTATGGTTGATAGATATTTG  
 GAACCTGATGAGAGATGAGAGGTTGAAATAGAACCATATCCTAAGAGATAATGAGCTAATTGGGGTTAA  
 GGTTTCAGTGTGTTGAACGTGAACTTTCTCTGAGAATCAGAGAGAAAGGAGCTGGAGTTGTAATAGCCTG  
 AGAAATACTTTGAAGGTCAGGCCAGAGGGAAGGAGACCAGCTGGTAGGCTGCTTCGTTGGCAGTGAGA  
 GATGGGCTAGGGAAGTCAAGCACAATCCTAAGTGTCTGGCTTGAACACTTGGTAAATAATAATACAG  
 CCATTCAGATAAGATGCCAAGGCTTAGGCTAATAGGCTTGACTGTGGTTCATCTCCAGCTGAAGAGCTG  
 GTAGAAGATAAAAAGATCAAGTGATAAATAAGGGGACATCTGCTAGAGACACAGGCTTTGAAGTTGTTA  
 GCACACGGTGTCTGGAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_026626

**Insert Size:** 495 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:** [BC025062](#), [AAH25062](#)

**RefSeq Size:** 2551 bp

**RefSeq ORF:** 495 bp

**Locus ID:** 68226

**UniProt ID:** [Q9CQ46](#)

**Cytogenetics:** 1 H4

**Gene Summary:** Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes.[UniProtKB/Swiss-Prot Function]