

## Product datasheet for **MC219832**

### Col4a3bp (NM\_023420) Mouse Untagged Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                                |
| Product Name:      | Col4a3bp (NM_023420) Mouse Untagged Clone          |
| Tag:               | Tag Free   |
| Symbol:            | Col4a3bp   |
| Synonyms:          | 2810404O15Rik; 9230101K08Rik; AU016711; CERT; GPBP |
| Vector:            | pCMV6-Entry (PS100001)                             |
| E. coli Selection: | Kanamycin (25 ug/mL)                               |
| Cell Selection:    | Neomycin   |



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**Fully Sequenced ORF:** >MC219832 representing NM\_023420  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGATAACACAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCGGAGACGGAGTCCGGGCCGCTG  
 TGGAGCGCTGCGGGTCCCTCAGCAAGTGGACAACTATATTCATGGATGGCAGGATCGTTGGGTAGTTTT  
 GAAAAATAACTTTGAGTTACTACAACTCGAAGATGAAACAGAATATGGCTGTAGGGATCCATCTGT  
 CTTAGCAAGGCTGTGATCACGCCTCACGATTTTGATGAATGCCGGTTTGATATCAGTGTAATGATAGTG  
 TTTGGTACCTTCGAGCTCAGGACCCGGAGCACAGACAGCAATGGGTAGACGCCATTGAACAGCACAAAGAC  
 TGAATCGGGATATGGATCTGAGTCCAGCTTGCCTAGACATGGCTCAATGGTGTCACTGGTGTCTGGAGCG  
 AGTGGCTATTCTGCTACGTCACCTCTTCTTTCAAGAAAGGCCACAGTTTACGTGAGAACTGGCTGAAA  
 TGGAGACATTTCCGGACATCCTGTGCCGCGAGTTGATACTCTCCAGAAGTACTTTGATGTCTGTGCTGA  
 CGCTGTCTCCAAGGATGAGCTTCAGAGGGATAAAGTCGTAAGAAGATGATGAAGATGACTTCCCTACAAC  
 CGTTCTGATGGAGACTTTTTGCACAATACCAATGGTAATAAAGAAAAATTATTTCCACATGTAACACCAA  
 AAGGAATTAATGGCATAGACTTTAAAGGGGAAGCAATAACTTTTTAAAGCAACTACTGCTGGAATCCTTGC  
 TACACTTTCTCATTGTATTGAATTAATGGTAAAACGGGAAGAGAGCTGGCAAAAAAGACACGATAGGGAA  
 GTGGAAAAGAGGAGACGAGTGGAGGAAGCGTACAAGAAATGTGATGGAAGAAGCTTAAAGAAGAAACCCGTT  
 TCGGAGGGCCGGATTATGAAGAAGGTCCAAACAGTCTGATTAATGAGGAAGAGTTCTTTGATGCTGTTGA  
 AGCTGCTCTTGACAGACAAGATAAAATAGAGGAACAGTCACAGAGTAAAAGGTGAGTTACACTGGCCC  
 ACATCATTGCCATCTGGAGACACCTTTTCTTCTGTCCGGACGCATAGATTTGTACAAAAGCCCTATAGTC  
 GCTCTTCTCCATGTCTTCCATTGATCTAGTCAGTGCCTCTGACGATGTTACAGATTGATGATGATGATGAT  
 TGAAGAAATGGTACAGAACCACATGAACATTCATTACAGGATGTAGGTGGTGTGCAAAATGGCAACTG  
 GTTGTGGAAGAAGGAGAAATGAAGGTATACAGAAGAGAAGTGAAGAAAATGGAATTGTTCTGGATCCTT  
 TGAAAGCTACTCATGCAGTTAAAGGTGTTACAGGACATGAGGTCTGCAATTACTTTTGGAAATGTTGATGT  
 TCGCAATGACTGGGAACTACTATAGAAACTTTCATGTGGTGGAAACATTAGCTGATAATGCAATCATC  
 GTTTATCAAACGCACAAGAGAGTATGGCCCGTCTCAGAGAGACGACTGTATCTTTCTGCTATTGCGAA  
 AGATCCCAGCCTTGACTGAAAATGATCCTGAAACTTGGATAGTTTGTAAATTTTCTGTGGATCATGATAG  
 TGCTCCTCTGAACAATCGATGTGTCGTGCCAAAATCAATATTGCTATGATTTGTCAAATTTAGTAAGC  
 CCACCAGAGGGAGACCAGGAGATAAGCAGAGACAACATCTGTGCAAGATCACGTATGTAGCTAATGTGA  
 ACCCAGGAGGATGGGCGCCAGCCTCGGTCTTAAGAGCAGTGGCAAAGCGAGAATACCCTAAGTTTCTAAA  
 ACGTTTTACTTCTTATGTCCAAGAAAAACTGCAGGAAAACCAATTTTGT**TTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_023420
- Insert Size:** 1875 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\\_023420.2](#), [NP\\_075909.1](#)

**RefSeq Size:** 5363 bp

**RefSeq ORF:** 1875 bp

**Locus ID:** 68018

**UniProt ID:** [Q9EQG9](#)

**Cytogenetics:** 13 D1

**Gene Summary:** Shelters ceramides and diacylglycerol lipids inside its START domain and mediates the intracellular trafficking of ceramides and diacylglycerol lipids in a non-vesicular manner. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.