

Product datasheet for **MC219531**

Col4a3bp (NM_001164222) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col4a3bp (NM_001164222) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col4a3bp
Synonyms:	2810404O15Rik; 9230101K08Rik; AU016711; CERT; GPBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219531 representing NM_001164222
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGATAACACAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCGGAGACGGAGTCCGGGCCGCTG
 TGGAGCGCTCGGGTCCCTCAGCAAGTGGACAACTATATTCATGGATGGCAGGATCGTTGGGTAGTTTT
 GAAAAATAACTTTGAGTTACTACAAATCTGAAGATGAAACAGAATATGGCTGTAGGGATCCATCTGT
 CTTAGCAAGGCTGTGATCACGCCTCACGATTTTGATGAATGCCGTTTGATATCAGTGTAAATGATAGTG
 TTTGGTACCTTCGAGCTCAGGACCCGGAGCACAGACAGCAATGGGTAGACGCCATTGAACAGCACAAAGAC
 TGAATCGGGATATGGATCTGAGTCCAGCTTGCCTAGACATGGCTCAATGGTGTCTACTGGTGTCTGGAGCG
 AGTGGCTATTCTGCTACGTCACCTCTTCTTTCAAGAAAGGCCACAGTTTACGTGAGAACTGGCTGAAA
 TGGAGACATTTCCGGACATCCTGTGCCGCGAGTTGATACTCTCCAGAAGTACTTTGATGTCTGTGCTGA
 CGCTGTCTCCAAGGATGAGCTTCAGAGGATAAAGTCGTAGAAGATGATGAAGATGACTTCCCTACAAC
 CGTTCTGATGGAGACTTTTTGCACAATACCAATGGTAATAAAGAAAAATTTCCACATGTAACACCAA
 AAGGAATTAATGGCATAGACTTTAAAGGGGAAGCAATAACTTTTTAAAGCAACTACTGCTGGAATCCTTGC
 TACACTTTCTCATTGTATTGAATTAATGGTAAAACGGGAAGAGAGCTGGCAAAAAAGACACGATAGGGAA
 GTGGAAAAAGAGGAGACGAGTGGAGGAAGCGTACAAGAAATGTGATGGAAGAAGCTTAAAGAAGAACCCCGTT
 TCGGAGGGCCGGATTATGAAGAAGGTCCAAACAGTCTGATTAATGAGGAAGAGTTCTTTGATGCTGTTGA
 AGCTGCTCTTGACAGACAAGATAAAATAGAGGAACAGTCACAGAGTAAAAGGTGAGTTACTGGCCCC
 ACATCATTGCCATCTGGAGACACCTTTTCTTCTGTCGGGACGCATAGATTTGTACAAAAGGTTGAAGAAA
 TGGTACAGAACCACATGAACTATTCATTACAGGATGTAGGTGGTGTGCAAAATGGCAACTGGTTGTTGA
 AGAAGGAGAAAATGAAGGTATACAGAAGAGAAGTGGAAAGAAAATGGAATTGTTCTGGATCCTTTGAAAGCT
 ACTCATGCAGTTAAAGGTGTTACAGGACATGAGGTCTGCAATTACTTTTGGAAATGTTGATGTTCCGAATG
 ACTGGGAACTACTATAGAAAATTTTATGTGGTGGAAACATTAGCTGATAATGCAATCATCGTTTATCA
 AACGCACAAGAGAGTATGGCCCGCTTCTCAGAGAGACGTAAGTATCTTTCTGCTATTCGAAAGATCCCA
 GCCTTGACTGAAAATGATCCTGAACTTGGATAGTTTGTAAATTTTCTGTGGATCATGATAGTCTCCTC
 TGAACAATCGATGTGTCGGTCCCAAAATCAATATTGCTATGATTTGTCAAATTTAGTAAGCCACCAGA
 GGGAGACCAGGAGATAAGCAGAGACAACATTCTGTGCAAGATCACGTATGTAGCTAATGTGAACCCAGGA
 GGATGGGGCCAGCCTCGGTCTTAAGAGCAGTGGCAAAGCGAGAATACCCTAAGTTTCTAAAACGTTTTTA
 CTCTTATGTCCAAGAAAAAAGTGCAGGAAAACCAATTTTGT**TTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164222
- Insert Size:** 1797 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_001164222.1](#), [NP_001157694.1](#)

RefSeq Size: 5285 bp

RefSeq ORF: 1797 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 (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (2) lacks an internal segment, compared to 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.