

## Product datasheet for **MR206816**

### Col4a3bp (BC016197) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Col4a3bp (BC016197) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide Sequence:**

>MR206816 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGATAACACAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCGGAGACGGAGTCCGGGCCGCTG  
 TGGAGCGCTGCGGGTCCCTCAGCAAGTGGACAACTATATTCATGGATGGCAGGATCGTTGGGTAGTTTT  
 GAAAAATAACTTTGAGTTACTACAAATCTGAAGATGAAACAGAATATGGCTGTAGGGATCCATCTGT  
 CTTAGCAAGGCTGTGATCACGCCTCACGATTTTGATGAATGCCGGTTTGATATCAGTGTAATGATAGTG  
 TTTGGTACCTTCGAGCTCAGGACCCGGAGCACAGACAGCAATGGGTAGACGCCATTGAACAGCACAAAGAC  
 TGAATCGGGATATGGATCTGAGTCCAGCTTGCCTAGACATGGCTCAATGGTGTCACTGGTGTCTGGAGCG  
 AGTGGCTATTCTGCTACGTCACCTCTTCTTCAAGAAAGGCCACAGTTTACGTGAGAACTGGCTGAAA  
 TGGAGACATTTCCGGACATCCTGTGCCGCGAGTTGATACTCTCCAGAAGTACTTTGATGTCTGTGCTGA  
 CGCTGTCTCCAAGGATGAGCTTCAGAGGGATAAAGTCGTAGAAGATGATGAAGATGACTTCCCTACAAC  
 CGTTCTGATGGAGACTTTTTGCACAATACCAATGGTAATAAAGAAAAATTATTTCCACATGTAACACCAA  
 AAGGAATTAATGGCATAGACTTTAAAGGGGAAGCAATAACTTTTTAAAGCAACTACTGCTGGAATCCTTGC  
 TACACTTTCTCATTGTATTGAATTAATGGTAAAACGGGAAGAGAGCTGGCAAAAAAGACACGATAGGGAA  
 GTGGAAAAGAGGAGACGAGTGGAGGAAGCGTACAAGAAATGTGATGGAGAAGCTTAAGAAGAAACCCCGTT  
 TCGGAGGGCCGGATTATGAAGAAGGTCCAAACAGTCTGATTAATGAGGAAGAGTTCTTTGATGCTGTTGA  
 AGCTGCTCTTGACAGACAAGATAAAATAGAGGAACAGTACAGAGTGAAGAGTCAAGGTTACACTGGCCC  
 ACATCATTGCCATCTGGAGACACCTTTTCTTCTGTCGGGACGCATAGATTTGTACAAAAGCCCTATAGTC  
 GCTCTTCTCCATGTCTCCATTGATCTAGTCAGTGCCTCTGACGATGTTACAGATTACAGCTCCAGGT  
 TGAAGAAATGGTACAGAACCACATGAACATTCATTACAGGATGTAGGTGGTGCCTGTATACTCCCAAA  
 GTTCTGGTCTCGTTTTATAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206816 protein sequence  
 Red=Cloning site Green=Tags(s)

MSDNQSWNSSGSEEDPETESGPPVERCGVL SKWTNYIHGWQDRWVVLKNNTLSYYKSEDETEYGCRGSIC  
 LSKAVITPHDFDECRFDISVNDVWYLRAQDPEHRQQWVDAIEQHKTESGYGSESSLRRHGSMVSLVSGA  
 SGYSATSTSSFKKGHSLREKLAEMETFRDILCRQVDTLQKYFDVCADAVSKDELQRDKVVEDEDDFPTT  
 RSDGDFLHNTNGNKEKLFPHVTPKINGIDFKGEAITFKATTAGILATLSHCIELMVKREESWQKRHDRE  
 VEKRRRVEEAYKNVMEELKKKPRFGPDYEEGPNSLINEEEFFDAVEAALDRQDKIEEQSQSEKVRHLHP  
 TSLPSGDTFSSVGTHRFVQKPYRSRSMSSIDLVSASDDVHRFSSQVEEMVQNHMNYSLQDVGGALYTPK  
 VLVSFLY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC016197

**ORF Size:** 1281 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC016197](#), [AAH16197](#)
**RefSeq Size:** 1779 bp

**RefSeq ORF:** 1283 bp

**Locus ID:** 68018

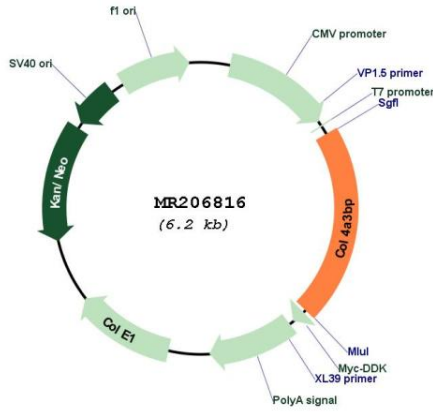
**Cytogenetics:** 13 D1

**MW:** 48.7 kDa

**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]

**Product images:**



Circular map for MR206816