

Product datasheet for **MG206816**

Col4a3bp (BC016197) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col4a3bp (BC016197) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col4a3bp
Synonyms:	2810404O15Rik; 9230101K08Rik; AU016711; CERT; GPBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206816 representing BC016197 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGATAACCAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCGGAGACGGAGTCCGGGCCCGCTG
TGGAGCGCTCGGGGCTCCTCAGCAAGTGGACAACTATATTCATGGATGGCAGGATCGTTGGGTAGTTTT
GAAAAATAACTTTGAGTTACTACAACTGAAGATGAAACAGAATATGGCTGTAGGGGATCCATCTGT
CTTAGCAAGGCTGTGATCAGCCTCACGATTTTGATGAATGCCGTTTGATATCAGTGTAATGATAGTG
TTTGGTACCTTCGAGCTCAGGACCCGGAGCACAGACAGCAATGGGTAGACGCCATTGAACAGCACAAAGAC
TGAATCGGGATATGGATCTGAGTCCAGCTTGCCTAGACATGGCTCAATGGTGTCACTGGTGTCTGGAGCG
AGTGGCTATTCTGCTACGTCCACCTCTTCTTTCAAGAAAGGCCACAGTTTACGTGAGAACTGGCTGAAA
TGGAGACATTTCCGGACATCCTGTGCCGGCAGGTTGATACTCTCCAGAAGTACTTTGATGTCTGTGCTGA
CGCTGTCTCCAAGGATGAGCTTCAGAGGGATAAAGTCGTAGAAGATGATGAAGATGACTTCCCTACAAC
CGTTCTGATGGAGACTTTTTGCACAATACCAATGGTAATAAAGAAAAATATTTCCACATGTAACACCAA
AAGGAATTAATGGCATAGACTTTAAAGGGGAAGCAATAACTTTTTAAAGCAACTACTGCTGGAATCCTTGC
TACACTTTCTCATTGTATTGAATTAATGGTAAAACGGGAAGAGAGCTGGCAAAAAAGACAGATAGGGAA
GTGGAAAAGAGGAGACGAGTGGAGGAAGCGTACAAGAATGTGATGGAAGAAGTAAAGAAGAAACCCCGTT
TCGGAGGCCGGATTATGAAGAAGGTCCAACAGTCTGATTAATGAGGAAGAGTTCTTTGATGCTGTTGA
AGCTGCTCTTGACAGACAAGATAAAATAGAGGAACAGTCACAGAGTGAAGAGTCAAGTTACTGCCCC
ACATCATTGCCATCTGGAGACACCTTTCTTCTGTCCGGACGCATAGATTTGTACAAAAGCCCTATAGTC
GCTCTTCTCCATGTCTTCCATTGATCTAGTCAGTGCCTCTGACGATGTTACAGATTACGCTCCAGGT
TGAAGAAATGGTACAGAACCACATGAACATTCATTACAGGATGTAGGTGGTGCCTGTACTCCCAA
GTTCTGGTCTCGTTTTATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206816 representing BC016197
 Red=Cloning site Green=Tags(s)

MSDNQSWNSSGSEEDPETESGPPVERCGVL SKWTNYIHGWQDRWVVLKNNTLSYYKSEDETEYGCRGSIC
 LSKAVITPHDFDECRFDISVNDVWYLRAQDPEHRQQWDAIEQHKTESGYGSESLRRHGSMVSLVSGA
 SGYSATSTSSFKKGHSLREKLAEMETFRDILCRQVDTLQKYFVDCADAVSKDELQRDKVVEDDEDFFPTT
 RSDGDFLHNTNGNKEKLFPHVTPKGINGIDFKGEAITFKATTAGILATLSHCIELMVKREESWQKRHDRE
 VEKRRRVEEAYKNVMEELKKKPRFGPDYEEGPNSLINEEEFFDAVEAALDRQDKIEEQSQSEKVRHLHP
 TSLPSGDTFSSVGTGRFVQKPYRSSSMSIDLVSASDDVHRFSSQVEEMVQNHMNYSLQDVGGALYTPK
 VLVSFLY

TRTRPLE - GFP Tag - V

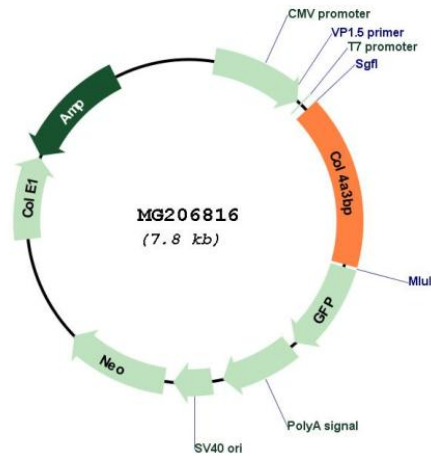
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC016197

ORF Size:	1283 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:	<ol style="list-style-type: none">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
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]