

## Product datasheet for **MR217788**

### Col4a3bp (NM\_001164222) Mouse Tagged ORF Clone

#### Product data:

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



[View online »](#)

**ORF Nucleotide Sequence:**

>MR217788 representing NM\_001164222  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGGATAACACAGAGCTGGAACCTCGTCGGGCTCGGAGGAGGATCCGGAGACGGAGTCCGGGCCGCTG  
 TGGAGCGCTGCGGGTCCCTCAGCAAGTGGACAACTATATTCATGGATGGCAGGATCGTTGGGTAGTTTT  
 GAAAAATAACTTTGAGTTACTACAACTCGAAGATGAAACAGAATATGGCTGTAGGGATCCATCTGT  
 CTTAGCAAGGCTGTGATCACGCCTCACGATTTTGATGAATGCCGTTTGATATCAGTGTAATGATAGTG  
 TTTGGTACCTTCGAGCTCAGGACCCGGAGCACAGACAGCAATGGGTAGACGCCATTGAACAGCACAGAC  
 TGAATCGGGATATGGATCTGAGTCCAGCTTGCCTAGACATGGCTCAATGGTGTCTACTGGTGTCTGGAGCG  
 AGTGGCTATTCTGCTACGTCACCTCTTCTTCAAGAAAGGCCACAGTTTACGTGAGAACTGGCTGAAA  
 TGGAGACATTTCCGGACATCCTGTGCCGCGAGTTGATACTCTCCAGAAGTACTTTGATGTCTGTGCTGA  
 CGCTGTCTCCAAGGATGAGCTTCAGAGGATAAAGTCGTAGAAGATGATGAAGATGACTTCCCTACAAC  
 CGTTCTGATGGAGACTTTTTGCACAATACCAATGGTAATAAAGAAAAATTATTTCCACATGTAACACCAA  
 AAGGAATTAATGGCATAGACTTTAAAGGGGAAGCAATAACTTTTTAAAGCAACTACTGCTGGAATCCTTGC  
 TACACTTTCTCATTGTATTGAATTAATGGTAAAACGGGAAGAGAGCTGGCAAAAAAGACACGATAGGGAA  
 GTGGAAAAGAGGAGACGAGTGGAGGAAGCGTACAAGAAATGTGATGGAGAAGCTTAAGAAGAAACCCCGTT  
 TCGGAGGGCCGGATTATGAAGAAGGTCCAAACAGTCTGATTAATGAGGAAGAGTTCTTTGATGCTGTTGA  
 AGCTGCTCTTGACAGACAAGATAAAATAGAGGAACAGTACAGAGTGAAGGTCAGGTTACTGGCC  
 ACATCATTGCCATCTGGAGACACCTTTTCTTCTGTCCGGACGCATAGATTTGTACAAAAGGTTGAAGAAA  
 TGGTACAGAACCACATGAACTATTCATTACAGGATGTAGGTGGTGTGCAAAATGGCAACTGGTTGTTGA  
 AGAAGGAGAAAATGAAGGTATACAGAAGAGAAGTGAAGAAAATGGAATTGTTCTGGATCCTTTGAAAGCT  
 ACTCATGCAGTTAAAGGTGTTACAGGACATGAGGTCTGCAATTACTTTTGAATGTTGATGTTCCGAATG  
 ACTGGGAAACTACTATAGAAAACCTTCTGTTGGTGGAAACATTAGCTGATAATGCAATCATCGTTTATCA  
 AACGCACAAGAGAGTATGGCCCGCTTCTCAGAGAGACGACTGTATCTTTCTGCTATTCGAAAGATCCCA  
 GCCTTGACTGAAAATGATCCTGAAACTGGATAGTTTGAATTTTTCTGTGGATCATGATAGTCTCCTC  
 TGAACAATCGATGTGTCCTGCCAAAATCAATATTGCTATGATTTGTCAAACCTTTAGTAAGCCACCAGA  
 GGGAGACCAGGAGATAAGCAGAGACAACATTCTGTGCAAGATCACGTATGTAGCTAATGTGAACCCAGGA  
 GGATGGGGCCAGCCTCGGTCTTAAGAGCAGTGGCAAAGCGAGAATACCCTAAGTTTCTAAAACGTTTTTA  
 CTTCTTATGTCCAAGAAAAAAGTGCAGGAAAACCAATTTTGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217788 representing NM\_001164222  
 Red=Cloning site Green=Tags(s)

MSDNQSWNSSGSEEDPETESGPPVERCGVL SKWTNYIHGWQDRWVVLKNNTLSYYKSEDETEYGCGRGSIC  
 LSKAVITPHDFDECRFDISVNDVWYLRQDPEHRQWVDAIEQHKTESGYGSESSLRRHGSMSVSLVSGA  
 SGYSATSTSSFKKGHSLREKLAEMETFRDILCRQVDTLQKYFDVCAVSKDELQRDKVVEDDEDDFPPT  
 RSDGDFLHNTNGNKEKLFPHVTPKINGIDFKGEAITFKATTAGILATLSHCIELMVKREESWQKRHDRE  
 VEKRRRVEEAYKNVMEELKPKPRFGPDYEEGPNLSINEEEFFDAVEAALDRQDKIEEQSQSEKVRHLHP  
 TSLPSGDTFSSVGTHRFVQKVEEMVQNHMNYSLQDVGGDANWQLVVEEGEMKVVYRREVEENGIVLDPLKA  
 THAVKGVGTGHEVCNYFWNVDRNDWETT IENFHVVETLADNAII VYQTHKRVWPASQRDVL YLSAIRKIP  
 ALTENDPETWIVCNFSVDHDSAPLNNRCVRAKINIAMICQTLVSPPEGDQEISRDNILCKITYVANVNP  
 GWAPASVLRVAKREYPKFLKRFYSYVQEKTAGKPILF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

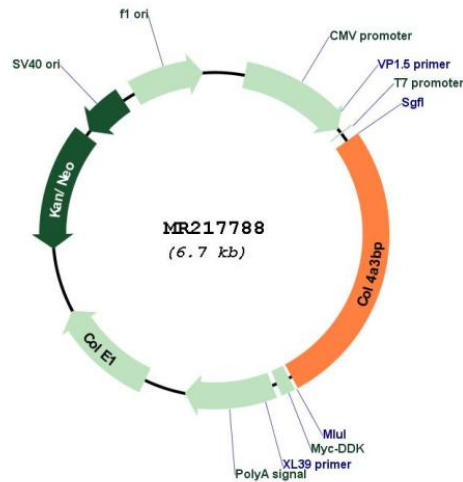
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001164222

ORF Size: 1794 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164222.1</a> , <a href="#">NP_001157694.1</a>
<b>RefSeq Size:</b>	5285 bp
<b>RefSeq ORF:</b>	1797 bp
<b>Locus ID:</b>	68018
<b>UniProt ID:</b>	<a href="#">Q9EQG9</a>
<b>Cytogenetics:</b>	13 D1
<b>MW:</b>	68.7 kDa
<b>Gene Summary:</b>	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]