

## Product datasheet for MC229600

### Col17a1 (NM\_001290825) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Col17a1 (NM\_001290825) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Col17a1  
**Synonyms:** BP180; Bpag; Bpag2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229600 representing NM\_001290825  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATGTGACCAAGAAAAGCAAGCGAGATGGCACTGAAGTCACCGAGAGAATTGTCACGGAAACAGTAA  
CGACAAGACTTACATCCCTACCGCCAAAAGGGAGCACCAGCAATGGATATGCTAAGACAGGCTCTCTGGG  
TGGAGGAAGTCGGTTGGAGAAGCAGAGCTTGACCCATGGCAGCAGCGGCTACATCAACTCAAGTGAAGC  
ATCCGAGGCAACGCTTCCACCTCCAGTTACAGGAGAACGCACTCACCGGCTCTACCTGCCAACCTCTC  
CCGGCTCCACCTTTGAAAGGAAAGCTCACATGACCCGCCATGGAACCTTATGAAGGGAGCTTAGCGGCAA  
CTCCTCCCTGAGTACCCACGAAAGGAAGTCCGCTCTTCTTCAACCAGAGGACGAAGCCAAACACGAGAG  
AGCGAAATTCGAGTTCGGTTGCAGAGCGCGTCGCCATCCACCAGATGGACAGAAGTGGATGAGGTGAAGC  
GTTTGCTTAAGGGGAGCCGCTCTGCAAGTGCAAGTCCCACCAGGAACACCTCCAACACACTCCCCATCCC  
CAAGAAAGGCACCGTAGAGACAAAACAGTGACAGCGAGCTCCCACTCAGTGTCCGGAACCTATGATTCA  
GCAATACTGGACACCAACTTTCCGCCCCACATGGTCTCCACCTTGCCTGCAGGCTCTCCCTGGGGA  
CCTATCAGAACAACATAACAGCCAGAGCACATCCCTCCTCAACACCAATGCCTACTCAACGGGATCAGT  
CTTTGGAGTGCCAAATAACATGGCGTCTGCTCTCCACCTGCACCCCGGACTCAGCAGCTGCTCCTCA  
GTGTTTGGCATGCAGAACAATCTGGCCCCAGCTCTTCTGCTCTCCATGGCACAACCCGCTTCCA  
CAGCATACGGAGCGAAGAAAACGTGCCCCAGCCTCCCACTGTCACCAGCACCAGCGGTGTCACCTCTGC  
CACCTGCACCACAGTGTCCAGAGTGACGACCTTTGCATAAAGACTGCAAGTTCCTGATTCTGGAGAAA  
GACAACACACCAGCTAAGAAAGAGATGGAAGTCTTGATCATGACCAAGGACAGTGGGAAGGTCTTCACTG  
CCTCCCCTGCCACCATCTCTCAACTTCTTTTTCAGAAGACCCCTGAAAAGGAGAAGCAGGCTGCATA  
TGCCGCTGACACCTGCCTGAAGGCAGATGTGAATGGAGACCTAAATACCGTGTCCACAAAGAGCAAGATG  
ACCTCGGCAGAAAACCATGGCTACGACCGAGGTGGCGGTGGTGGCAGAGGCAAAGCGGAGGTGCTGGTG  
GTGGCGGTGGTGGCGGTGGCGCCAGTGGCGGTGGAGGAGCATGGGGGGCTGCACCAAGCCTGGTGCCCTG  
CGGCTCCTGCTGCAGCTGGTGAAGTGGCTGCTGGGCCTGCTGCTCACCTGGCTGCTGCTGGGTCTG  
CTCTTCGGCTCATTGCTCTGGCGGAGGAGTAAGAAAGCTGAAGGCCCGCTGGAGGAGCTGAAAAGA



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CCAAGGTGCTATATCATGACGTCCAGATGGACAAAAGCAACAGGGACCGCTCCAGGCCGAGGCACCCAG  
 CCTGGGACCTGGATTAGGCAAGGCTGAGCTGGACGGCTACAGCCAGGAGGCCATCTGGCTGTTTGTAAAG  
 AACAAAGCTGATGACCGAGCAGGAGAACGGGAATCTCAGAGGAAGTCTGGTCCAAAAGGTGACATGGGGA  
 GTCAAGGACCTAAAGGAGACCGAGGCCCTTCTGGGACCCAGGTATCCCTGGGCCCTGGGCCACCTGG  
 CCCGGAAGGACCAAAGGGACAAAAGGCAGCATTGGAGATCTGGCATGGAAGGACCCATAGGCCAGAGA  
 GGACTAGCAGGCCCATGGACCTCGTGGTGAACCCGGGCCTCTGGGTCTGGAGAGAAAGGAGACAGAG  
 GGATTGCTGGTGAACAAGGTCTCAGGGCCTTCTGGTGTCCCAGTCTCCGGTCTCAGAGGTCACAG  
 CGGCTCTCTGGTCCCAAGGCCCCAGGTGCTGTGGTCCCAAGGGCTCCGAGGTGACGTGGGACTT  
 CCTGGTGTCAAAGGTGACAAAGGACTCATGGGACCACCAGGACCCAAAGGTGACCAGGTGAGAAGGGAC  
 CCAGAGGCCTCACAGGGGAGCCTGGCATTTCAGAGTTTGCCTGGAGCTGTGGGTGAACCCGGAGCCAAAGG  
 CGCAATGGGTCCGGTGGCGCTGATGGACAGCAAGGTTCCAGAGGTGAACAAGGCTTGACAGGGATGCCT  
 GGAACCCGGGCCCCAGGACCCGCTGGAGACCCAGGAAAGCCAGGTCTCACAGGACCCAGGGACCTC  
 AGGGACTTCTGGTAGCCCTGGCCGACCAGGGACTAAAGGCGAACCCGGCGCTCCCGCAGAGTCATGAC  
 TTCAGAGGGATCATCAACAATCACTGTGCCGGACCTCCCGACCTCCTGGTGCATGGTCCCCAGGA  
 CCTCCAGGGACGCCAGGTCCAGCTGGCCCTGCTGGTCTCCAGGACAACAAGGCCACGAGGGGAGCCAG  
 GACTTGTGGTACTCATTCTAAGCAGTGGCAGTCCATCTCTGAGGTCTCTTGCCCAAGGTGTTGA  
 CTTACGAGGTCCCCTGGCCACCTGGCCACGAGGGCCACCAGGGCCTTCCATCCAGGCCCGCCAGGA  
 CCCAGAGGTCCACCAGGGGAAGGCGTACCAGGCCACCCGGGCCACCAGGATCCTTCTGACTGACTCAG  
 AAACCTTCTTCACTGGCCCTCCAGGTCCACCCGGCCCCCAGGTCCCAAGGGAGACCAAGGTGATCCTGG  
 TGTCCCAGGTACTCCTGGCATCTCTGGTGGTCTTCTCATGGGGCGTCATCAAGCACTCTGTACATGCAG  
 GGCCCCCTGGCCCTCCAGGGCCCCCTGGGCCTCCGGCTCCCTCAGCAGCTCCGGCCAGGATATCCAGC  
 ACTACATCGTGAATACATGCAAAGTGACAACATCAGGACTTATCTCTCAGGGGTTCCAGGTCCCCAGG  
 CCCACCAGGTCCCCAGGGCCTGTATCACCATCACAGGAGAGACTTTCGACTACTCCAGTGGCAAGA  
 CAGGTGTAAGTACTTGCGGTCATCAGGCTACGGTGTGGCTTGTCTCTGCCTCCTCCTCAGAAGATA  
 TCTTGGCCATGCTGCGACGGAACGATGTGTGGCAGTACTTACGTGAGAATCTGGTGGTCTCCCCGTCC  
 CCCAGGGCCACCAGGCGTCAGTGGAGATGGGTCCCTCCTGTCTTGGACTATGGAGAGCTGAGCAGACAC  
 ATTCTCAACTATATGTCAAGTTCTGGGATCAGCTTTGGGCATCCTGGCCACCCGGGACCCCTGGCTGC  
 CAGGAACATCCTACGAGGAGCTACTGACCATGCTCCGAGGGTCTGACTACAGAAACATCATTGGACCTCC  
 AGGGCCCCAGGGCCACCCGGGATGCCAGGCAATGCATGGTCCAGCATCAGTGTGGAGGACCTCTCATCA  
 TACTTGCACACCCTGGTTTGCCTCCATCCCAGGCCCTCCAGGCCACCAGGGCCCCAGGTCTCGAG  
 GGCCCCAGGTGTCTCAGCAGCTCTGTCCACCTATGCAGCTGAGAACAGCGACAACCTCCGACGAGCT  
 GATTAGCTACCTACAAGTCTGATGTTTCGAGCTTCATCGTTGGCCCTCCAGGCCCTCCGGGGCCACAG  
 GGACCACCTGGAGATGGTCACTTAAGGGAGAACTACAACCTGGAGCAGCAACTCCTCAGCCAGAAGGGGCA  
 CTTCTACAGCTCTTCCACGGGCACAGGGGGAACCAACGGAGGCTCCCTGGGTGAAGGTGGAGCCTATGG  
 TGCAGGAGATGGGGGCCCTATGGTACCGACATCGGCCAGGCGGAGGCTATGGGGCAGCTGCAGGTGGT  
 GGTATATATGGCACCAATGGTACTCGTCCGGGATGGTTCCTGAGAGCTAGATTACAACAAGCTGG  
 CAGTGGGGGTGTCGGAGAGCATGCAGCGTCAGGGTCTGCTACAAGGGATGGCCTACACTGTCCAGGGCCC  
 ACCTGGGGCCCAAGGCCCTCTGGCATCAGCAGGGTCTTCTCAGCCTACAGCAACGTGACACAAGACCTC  
 ATGGACTTCTTCCAACCTACGGCACTATCCCGGGACCACCTGGCAGAAGGGAGATGTGGGAACCCACG  
 GCCCCAAAGGTGACAGGGGCCCTGCTGGACCACGAGGTCTCCAGGGCCACCCGGGCCAGAGGGAAACA  
 AGGAGAGAAAGGAGACAAAGGTGACCAAGTCTATACTGGGAGAAGGAAGGAAGTATTGCCATCAAGCCG  
 TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001290825  
 Insert Size: 4413 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001290825.1</a> , <a href="#">NP_001277754.1</a>
<b>RefSeq Size:</b>	5539 bp
<b>RefSeq ORF:</b>	4413 bp
<b>Locus ID:</b>	12821
<b>UniProt ID:</b>	<a href="#">Q07563</a>
<b>Cytogenetics:</b>	19 40.07 cM
<b>Gene Summary:</b>	<p>May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>