

## Product datasheet for **MC228566**

### Col25a1 (NM\_001244952) Mouse Untagged Clone

#### Product data:

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                         |
| Product Name:      | Col25a1 (NM_001244952) Mouse Untagged Clone |
| Tag:               | Tag Free                                    |
| Symbol:            | Col25a1                                     |
| Synonyms:          | 2700062B08Rik; CLAC-P                       |
| Vector:            | pCMV6-Entry (PS100001)                      |
| E. coli Selection: | Kanamycin (25 ug/mL)                        |
| Cell Selection:    | Neomycin                                    |



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**Fully Sequenced ORF:** >MC228566 representing NM\_001244952  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTGGTGAAGAAGCTTGCAGGAAAGGAGGGGGACGAGAGTCTGGATCAGAAGATCCGCGCCCTTGG  
 GACAGCGTTGTGCCGGCACCATGCCCTCGTGCAGGCCCTGGCGACCCTTTGTCAAGTGGTTGCTGTGGC  
 TTTCTGTTTTTATCTTGGGGTAAAAACCAACGACCTCCAGGCGAGGATTGCTGCTTTGAATCTGTAAAA  
 GGGACCCCTTCTTCCATCCGCTGTCTGACACCGTGGATGAGCTGAAGGCAATGGTTCAGGAGAAAGTGG  
 AGCGTCTCTTGGCTCAGAAATCTACGAACATATGGCTAAAAAAGAACGCCAGGGAGGCACCTTTAGA  
 GTGCAACTGCCAGCAGGTCTCCAGGGAACGAGGGAAGAGAGGCCGAAGAGGAGAATCTGGTCTCTCT  
 GGTGAGCTGGTCTCAGGGCCCTCTGGTCCAAAAGGTGATAAGGGAGAACAAGGTGATCAGGGACCTC  
 GGATGGTGTTCCTAAAATCAATCACGGCTTTCTCTGCTGATCAGCAGCTCATTAAACGCCGGCTGAT  
 TAAGGGTGACCAAGGACAGGCAGGGCCTCCAGGACCTCCAGGCCCTCTGGTCCAAGAGGCCACCTGGG  
 GACACAGGAAAGGACGGCCCCGAGGAATGCCAGGAGTACCTGGTGAACAGGAAAACAGGAGAAACAAG  
 GCTTGATGGGACCTCTGGGGCCTCCAGGACAAAAGGGTCCATTGGAGCACCTGGGACCCAGGCATGGA  
 TGGGCAAAAGGGTGGACCTGGATCACCTGGAGCAGCCGGGAGAGTGGACTACCAGGACCTAAGGGAGAA  
 CCTGGAAAAGAAGGAGAAAAGGGAGATGCTGGAGAAAAAGTCCCAAAGGTGATACAGGAGAAAAGGGTG  
 ACCCTGGATCATCTGCTGCAGGAATTAAGGGAGAACCTGGAGAATCTGGCCGCCCGGGGAGAAAGGGTGA  
 ACCAGGGCTGCCTGGGCTGCCTGGACTTCCGGGAATAAGGGAGAACAGGCTTCAATGGTCTCAAGGA  
 GAACAGGGTTACCAGGGCTACCAGGAACAAAAGGTGATCGTGGGAGGGGGGGCCTCTGGAAGAGGTG  
 AACGAGGAGATCCTGGAGCCCCGGGGCCAAAGGGGAAGCAAGGTGAATCAGGAGCTAGAGGCCGAAGGG  
 GTCAAAAGGGTGTCTGGAGACAAAGGAGACTCTGGCGCTCTGGGACCACGGGGTCCACCTGGACAAAAG  
 GGGGATCCAGGAGCCACAGAGATCATAGACTACAATGGCAACCTCCATGAGGCCTTACAGAGAATTACCA  
 CCTTAACTGTACGGGCCCCCTGGACCTCCTGGACCTCAAGGACTACAAGGGCCAAAGGGTGGCAAGG  
 CTCTCCAGGAATCCCGGAGTTGATGGAGAACAGGGACTCAAAGGCTCAAAGGGAGACATGGGGACCCA  
 GGTGTGCCAGGTGAAAAGGAGGACTGGGACTTCTGGATTGCCGGGTGCCAATGGAGTAAAAGGAGAGA  
 AAGGAGACACCGTTTGGCAGGTCTCAGGGCCCTTATCATAGGCCACCAGGCCCTCCAGGTCCCCA  
 TGGCCACCTGGTCCATGGGGCCCATGGACTTCTGGACCAAAGGGTGCAGATGGTCTATAGGACCC  
 CACGGCCCTGCAGACCCAAAGGAGAAAGAGGAGAGAAAGGAGCTATGGGAGAGCCTGGACCCAGAGGGC  
 CCTATGGGCTGCCTGGCTTCCCTGGTCTCGAGGCGAGAAGGGTACCTGGGAGAAAAGGGAGAAAAGGG  
 ATTCCGTGGCGTTAAGGGGGAAAAGGGGGAGCCAGGCCAGCCTGGCTGGATGGGCTGGATGCTCCTTGC  
 CAATTGGGACCTGATGGGTTACCTATGCCTGGCTGCTGGCAAAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001244952

**Insert Size:** 1938 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).

**OTI Annotation:** 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>                | <u>NM_001244952.1</u> , <u>NP_001231881.1</u>  |
| <b>RefSeq Size:</b>           | 7358 bp  |
| <b>RefSeq ORF:</b>            | 1938 bp  |
| <b>Locus ID:</b>              | 77018  |
| <b>Cytogenetics:</b>          | 3 G3   |
| <b>Gene Summary:</b>          | <p>Inhibits fibrillization of amyloid-beta peptide during the elongation phase. Has also been shown to assemble amyloid fibrils into protease-resistant aggregates. Binds heparin (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two in-frame exons in the coding region, compared to variant 1. The resulting isoform (3) lacks two internal segments, compared to isoform 1.</p> <p>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.</p> |