

Product datasheet for **MC220018**

Col25a1 (NM_198711) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col25a1 (NM_198711) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Col25a1
Synonyms:	2700062B08Rik; CLAC-P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220018 representing NM_198711
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGGTGAAGAAGCTGCAGGAAAGGAGGGGACGAGAGTCTGGATCAGAAGATCCGCGCCCTTGG
 GACAGCGTTGTGCCGGCACCATGCCCTCGTGCACGGCCCTGGCGACCCTTTGTCAAGTGGTTGCTGTGGC
 TTTCTGTTTTTATCTTGGGGTGA AAAACCAACGACCTCCAGGCGAGGATTGCTGCTTTGAATCTGTAAA
 GGGACCCCTTCTTCCATCCGCTGTCTGACACCGTGGATGAGCTGAAGGCAATGGTTCAGGAGAAAGTGG
 AGCGTCTCTTGGCTCAGAAATCTACGAACATATGGCTAAAATAAGAACGGCCAGGGAGGACCTTTAGA
 GTGCAACTGCCAGCAGGTCTCCAGGGAACGAGGGAAGAGAGGCCGAAGAGGAGAATCTGGTCTCTCT
 GGTGAGCTGGTCTCAGGGCCCTCTGGTCCAAAAGGTGATAAGGGAGAACAAGGTGATCAGGGACCTC
 GGGGCTGCCAGGCTTCCCACAGTTGCTGCCCTCCACAGCAATCAGATCCTCACTGTCAAGGGTGACCA
 AGGACAGGCAGGGCTCCAGGACCTCCAGGCCCTCTGGTCCAAGAGGCCACCTGGGGACACAGGAAAAG
 GACGGCCCCGAGGAATGCCAGGAGTACCTGGTGAACCAGGAAAACAGGAGAACAAGGCTTGATGGGAC
 CTCTGGGGCTCCAGGACAAAAGGGTTCATTGGAGCACCTGGGACCCAGGCATGGATGGGCAAAAAGGG
 TGAGCCTGGATCACCTGGAGCAGCCGGGCAGAGTGGACTACCAGGACCTAAGGGAGATGCTGGAGAAAAT
 GGTCCCAAAGGTGATACAGGAGAAAAGGGTGACCCTGGATCATCTGCTGCAGGAATTAAGGGAGAACCTG
 GAGAATCTGGCCGCCCGGGCAGAAGGGAGAACCAGGCTTCAATGGTCTCAAGGAGAACCAGGGTTACC
 AGGGCTACCAGGAACAAAAGGTGATCGTGGGAGGCGGGCCCTCTGGAAGAGGTGAACGAGGAGATCCT
 GGAGCCCCGGGGCAAAGGGGAAGCAAGGTGAATCAGGAGCTAGAGGCCGAAGGGGTCAAAGGGTGATC
 GTGGAGACAAAGGAGACTCTGGCGCTCTGGGACCAGGGGTCCACCTGGACAAAAGGGGGATCCAGGAGC
 CACAGAGATCATAGACTACAATGGCAACCTCCATGAGGCCTTACAGAGAATTACCACCTTAACCTGTACG
 GGCCCCCTGGACCTCTGGACCTCAAGGACTACAAGGGCAAAGGGTGAGCAAGGCTCTCCAGGAATCC
 CCGGAGTTGATGGAGAACAGGGACTCAAAGGCTCCAAGGGAGACATGGGGACCCAGGTGTGCCAGGTGA
 AAAAGGAGGACTGGGACTTCTGGATTGCCGGTGCCAAATGGAGTAAAAGGAGAGAAAGGAGACACCGGT
 TTGCCAGGTCTCAGGGGCTTCTATCATAGGCCACCAGGCCCTCCAGGTCCCCATGGCCACCTGGTC
 CCATGGGGCCCCATGGACTTCTGGACCAAAGGGAGCATCTGGCTTAGACGGAAGCCAGGATCCCGGGG
 TGCAGATGGTCTATAGGACCCACGGCCCTGCAGGACCCAAAGGAGAAAAGGAGAGAAAAGGAGCTATG
 GGAGAGCTGGACCCAGAGGGCCCTATGGGCTGCCTGGCTTCCCTGGTCTCGAGGCGAGAAGGGTGACC
 TGGGAGAAAAGGGAGAAAAGGGATTCCGTGGCGTTAAGGGGGAAAAGGGGGAGCCAGGCCAGCCTGGCCT
 GGATGGGCTGGATGCTCCTTGCCAATTGGGACCTGATGGGTTACCTATGCCTGGCTGCTGGCAAAAAGGGG
 GTTACACCGTGGCTTATTGCCAAAAGAGAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198711
- Insert Size:** 1923 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).
- 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: [NM_198711.3](#), [NP_942004.1](#)

RefSeq Size: 6753 bp

RefSeq ORF: 1923 bp

Locus ID: 77018

Cytogenetics: 3 G3

Gene Summary: 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]

Transcript Variant: This variant (2) has multiple differences in the coding region but maintains the reading frame, and has a shorter 3' UTR, compared to variant 1. The resulting isoform (2) is shorter than the full-length of isoform 1, but has a longer C-terminus than that of isoform 1.

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.