

Product datasheet for **MG219508**

Col25a1 (NM_198711) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col25a1 (NM_198711) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col25a1
Synonyms:	2700062B08Rik; CLAC-P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219508 representing NM_198711
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGGTGAAGAAGCTGCAGGAAAGGAGGGGGACGAGAGTCTGGATCAGAAGATCCGCGCCCTTGG
 GACAGCGTTGTGCCGGCACCATGCCCTCGTGCACGGCCCTGGCGACCCTTTGTCAAGTGGTTGCTGTGGC
 TTTCTGTTTTTATCTTGGGGTAAAAACCAACGACCTCCAGGCGAGGATTGCTGCTTGAATCTGCTAAA
 GGGACCCCTTCTTCCATCCGCTGTCTGACACCGTGGATGAGCTGAAGGCAATGGTTCAGGAGAAAGTGG
 AGCGTCTCTTGGCTCAGAAATCTACGAACATATGGCTAAAATAAGAACGGCCAGGGAGGCACCTTTAGA
 GTGCAACTGCCAGCAGGTCTCCAGGGAACGAGGGAAGAGAGGCCGAAGAGGAGAATCTGGTCTCTCT
 GGTGAGCTGGTCTCAGGGCCCTCTGGTCCAAAAGGTGATAAGGGAGAACAAGGTGATCAGGGACCTC
 GGGGCTGCCAGGCTTCCCACAGTTGCTGCCCTCCACAGCAATCAGATCCTCACTGTCAAGGGTGACCA
 AGGACAGGCAGGGCTCCAGGACCTCCAGGCCCTCTGGTCCAAGAGGCCACCTGGGGACACAGGAAAG
 GACGGCCCCGAGGAATGCCAGGAGTACCTGGTGAACCAGGAAAACAGGAGAACAAGGCTTGATGGGAC
 CTCTGGGGCTCCAGGACAAAAGGGTCCATTGGAGCACCTGGGACCCAGGCATGGATGGGCAAAAGGG
 TGAGCCTGGATCACTGGAGCAGCCGGGCAGAGTGGACTACCAGGACCTAAGGGAGATGCTGGAGAAAAT
 GGTCCCAAAGGTGATACAGGAGAAAAGGGTACCTGGATCATCTGCTGCAGGAATTAAGGGAGAACCTG
 GAGAATCTGGCCGCCCGGGCAGAAGGGAGAACCAGGCTTCATTGGTCTCAAGGAGAACCAGGGTTACC
 AGGGTACCAGGAACAAAAGGTGATCGTGGGAGGCGGGCCCTCTGGAAGAGGTGAACGAGGAGATCCT
 GGAGCCCCGGGGCAAAGGGGAAGCAAGGTGAATCAGGAGCTAGAGGCCGAAGGGGTCAAAGGGTGATC
 GTGGAGACAAAGGAGACTCTGGCGCTCTGGGACCACGGGGTCCACCTGGACAAAAGGGGGATCCAGGAGC
 CACAGAGATCATAGACTACAATGGCAACCTCCATGAGGCCTTACAGAGAATTACCACCTTAACCTGTACG
 GGCCCCCTGGACCTCTGGACCTCAAGGACTACAAGGGCAAAGGGTGAGCAAGGCTCTCCAGGAATCC
 CCGGAGTTGATGGAGAACAGGGACTCAAAGGCTCCAAGGGAGACATGGGGACCCAGGTGTGCCAGGTGA
 AAAAGGAGGACTGGGACTTCTGGATTGCCGGGTGCCAATGGAGTAAAAGGAGAGAAAGGAGACACCGGT
 TTGCCAGGTCTCAGGGGCTTCTATCATAGGCCACCAGGCCCTCCAGGTCCCCATGGCCACCTGGTC
 CCATGGGGCCCCATGGACTTCTGGACCAAAGGGAGCATCTGGCTTAGACGGAAGCCAGGATCCCGGGG
 TGCAGATGGTCTATAGGACCCACGGCCCTGCAGGACCCAAAGGAGAAAGAGGAGAAAGGAGCTATG
 GGAGAGCTGGACCCAGAGGGCCCTATGGGCTGCCTGGCTTCCCTGGTCTCGAGGCGAGAAGGGTGACC
 TGGGAGAAAAGGGAGAAAAGGGATTCCGTGGCGTTAAGGGGGAAAAGGGGAGCCAGGCCAGCCTGGCCT
 GGATGGGCTGGATGCTCCTTGCCAATTGGGACCTGATGGGTTACCTATGCCTGGCTGCTGGCAAAAGGGG
 GTTACACCGTGGCTTATTGCCAAAAGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG219508 representing NM_198711
 Red=Cloning site Green=Tags(s)

MLVKKLAGKGGGREGSEDPRPLGQRCAGTTPSCTALATLLSVVAVAFCFYLGVKTNLQARIAALES
 ALESAK
 GTPSFHPLSDTVDELKAMVQEKVERLLAQKSYEHMAKIRTAREAPLECNCPAGPPGKRGKRGRREGSGPP
 GQPGPQPPGPKGDKGEQDQGPRGLPGFPTVAALHSNQILTVKGDQGGAGPPGPPGPPGPRGPPGDTGK
 DGPRGMPGVPGEKPGQGLMGLPGLGPPGQKGSIGAPGTPGMDGQKGEPSGPAAGQSGLPKPKGDAGEN
 GPKGDTGEKDPGSSAAGIKGEPGESGRPGQKGEKPGF IGPOGEPGLPGLPGTKGDRGEAGPPGRGERGDP
 GAPGPKKQGESGARGPKGSKGDRGDKGDSGALGPRGPPGQKGDPPGATE.IIDYNGNLHEALQRITTLTVT
 GPPGPPGQGLQGPKEQGSPIPGVDGEQGLKGSKGMGDPGVPGEKGGGLPGLPGANGVKGEKGDG
 LPGPQGPSIIIGPPGPPGPHGPPGPMGPHGLPGPKGASGLDGKPKGSRGADGPIGPHGAPGPKGERGEKGM
 GEPGPRGYPGLPGFPPGRGEKGDLEKGEKGFVGEKGEKGEKGGPGLDGLDAPCQLGPDGLPMPGCVKQK
 VTPWLIAKKR

TRTRPLE – GFP Tag – V

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:	NM_198711.3 , NP_942004.1
RefSeq Size:	3254 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]