

Product datasheet for **MG215786**

Col7a1 (NM_007738) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col7a1 (NM_007738) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Col7a1
Synonyms: AW209154
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215786 representing NM_007738
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCTGCGACTCCTGGTCGCTGCGCTCTGCGCTGCAGAGATCCTGATGGGAGCGCCGGAAGTGTGGG
CCCAGCCCAGAGATAGAGTGACCTGCACACGCCTTTATGCTGCTGACATCGTGTCTTACTCGATGGCTC
GTCGTCCATTGGCCGAGCAACTTCGAGAAGTGCAGGATTCTGGAGGGGCTGGTGTGCCTTTCTCA
GGAGCAGCCAGTGCACAGGGCGTCCGGTTGCCACAGTGCAGTACAGTATGATCCACAGACAGAATTTG
GTCTGGATACACTTGGCTCTGGGAGTGACACCATCCGAGCCATCCGTGAGCTCAGCTATAAAGGTGGTAA
CACTCGCACGGGGCCGCTCTTACCACGTTTCTGACCGTGTCTTCTGCCTCGTCTAACAGTCCCTGGT
GTCCCAAGGTCTGCATCCTGATCACAGATGGGAAATCCCAAGATTTAGTGGACACAGCTGCCAAAAGC
TGAAGGGGAGGGAGTCAAGCTGTTTGCTGTGGGAATCAAGAATGCCGACCCTGAGGAAGTGAAGCGTGT
GGCCTCACAGCCAACAGCGATTTCTTCTTCTCGTCAATGACTTCAGCATCTTGAGGACCCTGTTGCC
CTCATTTCAGGAGGGTGTGCACAACCTGCTGGTGGTGTGCTGTGACCCTGCCTTCTGATGACACTCCGT
CTGGGCCCCGGGACCTGGTGTCTCTGAGCCAAGTAGCCAATCCTTGGAGTACAATGGACAGCAGCCAG
TGGCCCTGTGACTGGCTACAAGGTTCAAGTACACACCTTGACAGGGCTAGGGCAGCCACTGCCAAGTGA
CGACAGGAGGTGAACATCCCGCTGGTGGAGACCAGCAGCGTCTCCAGGGTCTCCGGCCACTAACGGACT
ACCAAGTGACTGTGTTGCCCTCTATGCCAACAGCATCGGGGAGGCCGTGAGTGGGACAGCTCGGACCAC
TGCCAAGGAAGGGCTAGAATTGAGCCTCCAGAACATCACATCGCACAGCCTCCTGGTGGCCTGGAGGAGG
GTACCAGGTGCTAATGGCTACCGTGAACATGGCGGGACCTCAGTGGTGGCCAACCCAGCAGCAGGACC
TGAGCCCTGGACAGGGTCAAGTGTCTAGATCACTTGGAGCCTGGCAGGACTATGAGGTGACCGTGA
CGCCCTATTTGGCCACAGCGTGGGGCTGCCGCTTCTGACTGCCCGCACCGCATCTTCTGTTGAGCAA
ACCCTGCATCCCATCATCTTGGCCGACATCCATCCTCTTCTGGAAGTGGTGCCTGAGGCCCGCG
GCTACCGCTTGGAGTGGCGTCGTGAGAGTGGCTGGAAACACCACAGAAAGTGGAACTGCCCCCTGATGT
GACCCGCCATCAGCTGGATGGTTTGACGCCAGGCACTGAGTACCGTCTCACGCTGTATACTCTGCTGGAG



[View online >](#)

GGCCGTGAGGTGGCCACTCCTGCAACCGTGGTTCTACAGGGCTAGAGCAGCTGGTGAGCCCGGTGATGA
 ATTTACAAGCCATAGAACTACCTGGGCAGCGGGTGCAGTGTCTTGAACCCAGTCCCTGGGGCCACTGA
 GTACCGTTTCACTGTACGCACCACCCAGGGGTCGAGCGGACTCTATTGCTTCTGGGAGCCAGACAACC
 TTTGACTTAGATGATGTTTCGAGCTGGGCTTAGCTACACGGTGCGGGTGTCTGCTCGAGTGGGTGCTCAGG
 AGGGTGATGCCAGCATCCTAACGATCCACAGAGATCCAGAAGCCCCACTTGTGTCCCAGGACTGCGGGT
 TGTGCGCATCAGATGCAACAAGAATTAGGGTGGCCTGGGGACTTGTCCCTGGAGCCAGTGGATTTTCGATC
 AGCTGGAGGACAGGCAGTGGTCCAGAGTCCAGCCGACGCTGACCCAGACTCCACTGTCACGGACATCC
 TGGGGTTGCAGCCTAGCACCTTATCAAGTCGCTGTCTCAGCACTTAGAGGGAGAGAAGAGGGGCCCCC
 TGTGGTCATCGTGGCTAGAACTGATCCACTGGGCCAGTGAGGAGAGTCCACTTGACTCAGGCTGGCAGC
 TCATCTGTGAGCATCACCTGGACTGGGGTTCGGGTGCCACAGGATACAGGGTTTCTGGCACTCAGGCC
 ATGGTCCAGAGAAATCTCTGTTGGTTTCTGGAGATGCCACGGTGGCTGAAATAGATGGGCTGGAGCCGGA
 CACAGAGTATATAGTGCCTGTGAGAACCACGTAAGTGGTGTGGATGGAGCCCCGCTCTGTGGTTGTG
 AGGACTGCTCCTGAGCCTGTGGCAGTGTGCGAAACTGCAAATCCTTAATGCTTCCAGTGTCTAC
 GGGTCACTTGGTAGGAGTCCCTGGGGCCACATCTATAAACTGGCGTGGGGACGTAAGTGAAGTGGCCC
 TATGAAACACCGGATACTCCAGGAAACAAAGAGTCTGCAGAGATACGGGATCTCGAAGGAGGAGTCAAGC
 TACTCCGTGAGAGTGACGGCGCTTGTGGAGACCGAGAGGGTGCACCGGTGCCATTGTATCACCACAC
 CGCCTGCGACCCAGCACTTCTGGAGACTTCTCAAGTTGTGCAGAGCGGGGAGCACTCCTTGAGGCTGCG
 ATGGGAACCAGTACCCGGAGCACCAGGCTTCCGCCTGCACTGGCAACCTGAGGGTGGCCAGGAACAGTCC
 CTGACCTTGGGACCTGAGTCTAACAGCTACAACCTGGTTGGTCTGGAGCCAGCAACAAAGTACCAAGTAT
 GGCTGACTGTCTGGGCCAGACTGGAGAAGTCCCCCTAGGAAGGTGACTGCATACACTGAGCCCTCTCA
 CATCCCGAGCACTGAACACGCGTGGTGGATACCTCTATTGACTCAGTACTTTGACCTGGACCCAGTGC
 TCTGGGGCATCCAGTTATATCTTGTCTGGCGGCCGCTCAGAGGAACTGGCCAGGAAGTCCCGAGGGCCC
 CACAGCACTGCCAGGGACCTCAAGCTCCCACAGAGTACAGAGGCTGGAACCTGGTATTTCTATGTTTT
 CTCTGTACACCTATCCAGAGCGGTGTACGAGTTCTGAGATCTCTGTACACAACACCCAGCTGTTCC
 CATGGCCAGTGGACGTGGTGTCTCTTGCATGCCACTCGAGACAATGCTCACAACGCAGAGGCTGTGA
 GGAGGGTCTGGAAAGGCTGGTGTCTGCACTTGGGCCTTGGTCCACAGGCTGCTCAGGTGCGCCTGCT
 GACTTACAGCCACCGCCCTCCCCTGTTCCACTGAATAGTTCCTATGATCTTGGCATCATCTTGCGA
 AAGATCCGTGACATCCCCTACGTGGACCAAGTGGTAACAACCTCGGCACAGCCGTGACCACAGCTCACA
 GATACCTTTAGCATCCAATGCTCCTGGTGCCTGAGCAAGTCCAGGCGTGTGGTCTGTTAGTGGGA
 TGAGCCTCTGAGAGGGGACATACTCAGCCCATTCGTGAGGCCAGACTTCTGGGCTAAGGTGATGGCA
 CTGAGTTTGGTGGGAGCTGACCCAGAGCAGCTGCGTGCCTTGGCACCAGGCACGGACCCCATCCAGAACT
 TCTTTGCTGTGGATAATGGCCCAGGCTTGGACAGAGCAGTCAAGTGTCTGGCTGTAGCCCTGTGTAGGC
 AGCTGTGACCATAGAGCCGAAACAGGGCCTTGTGCTGTGCACTGTCAAAGGGCCAGAAGGGGGAGCCT
 GGAGTAACGGGACTGCAAGGACAGGCTGGACCTCCTGGCCCCCTGGTCTCCCGGGCAGGACCGGTGCTC
 CAGGCCCGCAAGGTCTCTGGAAGTACCCAGGCAAAAGGCGAGAGGGGCTTTCTGGCCAGAAGGGCC
 TCCAGGCAGTCTGGCCTCCCTGGAGTCTCTGGTCTCTTGGCATTAAAGGGTCCACGGGGCGCCCTGGC
 CCTCGTGGGGAACAGGGAGAACGAGGGCCTCAAGTCCAAAGGGGGAGCCGGGTGAGCCTGGGCAATCA
 CTGGCCGTGGAGGGCAGGGTTTCTGGAAAGAAAGGGGACCTGGACCTTGGGGCCCCCTGGATCTCG
 TGGCCCTGTGGGGACCCAGGACCCCGTGGCCCCCAGGGCTTCTGGAATATCAGTGAAGGGTGACAAA
 GGATGATCGTGGGAACGGGGTCCCCGGGACAGGCATTGGTGCCAGTGAACAGGGTGACCTGGACTTC
 CGGGGCTTCTGGAAGCCTGGACCCAAAGGCCAGCTGGCCGACCTGGAGAGAAGGGGAGAAAAGGGTGA
 CTGTGAGGATGGAGTCCAGGCCTCCCAGGACAGCCTGGGCCCCAGGGGAGCCGGGCTGCGGGGAGCT
 CCTGGAATGACTGGGCCAAAGGTGATCGGGGACTGACGGGGACCCCGGGCGAGCCTGGAGTAAAGGGTG
 AACGGGGACATCCTGGTCCCGTGGGACCCAGGGGCTCCCCGGGCTGCTGGACACCTGGAGTGGAGGG
 TCCTGAGGGGCCACCAGGACCCACTGGCCCGGAGGAGAAAAGGGGAGAACCTGGTGCCTTGGGGATCCT
 GCAGTGGTCTTGGTGGTGTGGAGCCAAAGGAGAAAAGGGGAGAGGCTGGGCTCCTGGGCCAGAGGAG
 CTTCTGGAAGCAAAGGAGAGCAGGGCGCACCTGGATTGGCTTCTCTGGAGATCCTGGCCCCAAAGGAGA
 CCCTGGAGACAGGGTCCATTGGCCTCACTGGAAGGGCAGGACCACAGGTGACTCAGGGCCTCCTGGA
 GAGAAAGGAGAGCCTGGTTCGACCTGGTTCGCCAGGACCTGTTGGCCCCGAGGAAGAGATGGTGAAGCTG
 GAGAGAAAGGTGACGAGGGGATCCCGGGTGGCCAGGTTTGCCTGGAAAAGCAGGTGAACGTGGCCTCCG
 GGGGGACCTGGGCTCGGGGCTGTGGTGAGAAGGGGGACAGGGAGATCCTGGAGAAGACGGACGG
 AATGGCAGCCCTGGATCATCTGGACCAAGGGTACCCTGGGGAGCCTGGTCCCCAGGTCCCCCTGGAC

GGCTGGTGGATGCAGGCATTGAATCCAGAGACAAGGGAGAGCCTGGACAAGAAGGTCCCCGAGGACCCAA
GGGTGACCCTGGGCCCTTGAGTCTCTGGAGAAAGGGGCATTGATGGGCTTCGGGGACCCCAAGGCCCA
CAGGGAGACCCCGGTGTTTCGAGGCCAGCAGGAGACAAGGGTGTATCGGGGACCCCAAGGGCTGGATGGCC
GGAGTGGGCTGGATGGGAAACCCGGAGCCCTGGCCCCCAGGGCTACATGGTGTTCAGGCAAAGCTGG
GGACCCGGGGAGAGATGGACTTCCAGGCCTTCGAGGAGAACATGGCCCCCTGGTCCCCCTGGCCCTCT
GGAGTTCGGGAAAGGCAGGCGATGATGGCAAACCAGGCCTGAATGGGAAAAACGGAGACCCTGGAGACC
CTGGAGAAGATGGAAGGAAGGGAGAAAAGGGAGATTTCGGGTGCCCTGGAAGAACGGCCCTGATGGCCC
CAAGGGTGAACGTGGAGCTCCTGGCAATCCTGGACTCCAGGGTCCCTCCGGTCTCCAGGGCAGGTCCGT
CCTCCCGGCCAGGGTTTCCCTGGTGTCCAGGAATTACGGGTCTAAGGGTGACCCTGGAGAGACTGGAT
CCAAAGGGGAACAGGGCCTTCTGGAGAAGCTGGCCTACGAGGAGAACCTGGGAGCTTGCCAAACCGGGA
GCGTTTGTGGAACTGCTGGCATCAAGGTGTCCGCCCTCGGGGAGATCGTGGACACCTGGGATGAGAGT
TCTGCCAGCTTCTACCGGTGCCTGAGCGGAGACTGGCCCCAAGGGGGACCTGGTGACCAGGGCCCTC
CAGGCAAGGAGGGCCTCATCGCTTTCCTGGAGAACGTGGACTGAAGGGAGAGCGTGGAGACCCTGGCCC
TCAGGGCCCTCCTGGCCTGGCCCTGGGTGAGAGGGGCCACCTGGCCCACCCGGCCTTCGGGGGAAACCC
GGAAGCCTGGCATTCTGGACTCCAGGCCGGGTGGTGGTTTCAGGGGAAGCAGGAAGGCCAGGAGAGA
GGGGAGAAAGGGGAGAGAAAGGAGAACCGGGGATCAGGGCAGAGATGGCCTTCCCGCCTCCTGGACC
ACCTGGCCCTCCTGGCCCCAAGGTGGCCATTGAAGAGCCAGGCCCTGGACTGGCTAGAGAGCAAGGACCT
CCTGGACTCAAGGGTGCCAAGGGGGAGCCAGGCAGTGTGGTGACCCTGGACCTAAAGGAGACAGGGGTG
TACCAGGCATCAAAGCGCATGTGGGAGAGCCTGGAAAGAGGGGTGATGATGGCAACCCAGGTCTCCCGGG
AGAGCGTGGTGTGGCTGGCCCTGAAGGGAAGCCGGGTCTTCAGGGCCCAAGGGGGACCCCTGGCCAGTG
GGTAGCCATGGAGACCCTGGACCACCTGGTGCCCGGGTCTTGTGGCCCTCGGGACCCCAAGGGCCCT
CTGGCCGAAGGGGGAGCCTGGAGAGACAGGACCTCCAGGACGGGTCTGCCTGGACCTGTTGGAGCTGT
GGGACTCCCTGGCCCTCCTGGCCCTTCGGCCCTCGTGGTCCACAAGGCTCTCCAGGTTTCCCGGACAA
GTGGGGGAGACAGGGAAGCCAGGACCTCCAGGCCGTGACGGTAGCAGTGGAAAGGACGGAGATCGGGGAA
GTCTGGTGTGCCGGGTCAACAGGTCTGCCCGGCCCTGTTGGACCTAAAGGAGAACCTGGGCTGTGGG
GGCTCCTGGACAGGTGGTGGTGGGCCCTGGAGCAAAAGCGAGAAGGGAGCCCGGGAGACCTTGT
GGAGCCCTGCTGGGTGAGCCGGGAGCCAAAGGTGACCGAGGACTGCCTGGACCACGGGTGAAAAGGGTG
AAGCTGGCCGTGCAGGAGGACCTGGGGACCTGGGAAGATGGTCAAAAAGGGGTCCAGGACTCAAAGG
TCTTAAGGGTGAAGCAGGCATTGGGTTTCAGGGCCCCCTGGCCAAGTGGTCTCCAGGTATGAAGGGA
GACTTGGGCCCCCTGGTCCCCCGGGCTCCTGGTGTGTTGGTTCCTGGTGCAGACAGGACCTCGAG
GAGAGACGGGCCAGCCAGGCCTGTTGGAGAGAGGGTCTGGCAGGCCCTCCAGGGAGAGAAGGTGCCCC
AGGTCCCTTGGGACCACCTGGACCACAGGGTACGCGGAGCACCTGGCCCTCCTGGACTCAAAGGAGAC
AAGGGAGACCCGGGAGCAGGACTGCCGGGGCCCGAGGTGAGCGTGGTGAGCCAGGTGTCCGGGTGAAG
ATGGCCACCCTGGCCAGGAAGGACCTCGTGGACTTGTGGGGCCCCCTGGCAGCCGGGGAGAGCAAGGAGA
GAAGGGCGCTGCTGGCGTGCAGGGTCAAGGGTGACAAGGGTGACTCAGCTGTGATTGAGGGACCTCCC
GGGCCACGAGGTGCCAAAGGGGATATGGGTGAACGAGGGCCTCGGGGCATAGATGGTGACAAAGGACCTC
GGGAGAAAAGTGGGAATCCTGGTGACAAGGGTTCCAAAGGAGAGCCAGGTGACAAAGGCTCAGCTGGATC
GATTGGAGTTCGAGGACTCACAGGACCCAAAGGGAGAGCCAGGTGCTGCAGGGATCCCCGGTGAGCCGGGA
GCCCAAGGGAAGGATGGAATCCTGGTTCAGGAGAGACAAAGGAGATATTGGCTTCATGGTCCCAGGG
GCCTCAAGGGTGAAAAAGGAATAAAGGGAACCTGTGGCCGTGACGGAGAGAGAGGAGATAAGGGAGAAGC
TGGTTTTCTGGTTCGCCCTGGGTTGGCAGGAAAGAAAGGAGACATGGGGAGCCTGGTCTGCCGGTTCAG
TCTGGGCTCCTGGGAAAGAAGCCTGATCGGTCCCAAGGGTGACAGAGGCTTGTATGGGACGTACAGGAC
CCAAGGGTGACCAAGGCGAGAAAGGGGAGAGGGGGCCTCCAGGAGTTGGGGGCTTCCAGGTCCCAGAGG
AAACGATGGCTCTAGTGGTCCCCAGGGCCACCTGGTGGTGTGGTCCCAAGGGACCCGAAGGGCTTCAG
GGTCAGAAAGGTGAGCGAGGTCCCCTGGAGAGAGCGTGGTGGGGCTCCTGGTGTCTTGGCACCCTG
GAGAGAGAGGAGAGCAGGACGACCAGGACCTGCTGGCCCCGTGGGAGAAAGGGAGAAGCTGCGCTGAC
TGAGGATGACATTCGGGACTTTGTGCTCAGGAGATGAGTCAGCACTGTGCTGCCAGGGCCAGTTTATT
GGTCTGGATCACGACCCCTCCCGGTTATGCTGCGGATACAGCTGGTTCACAGCTTACCATGTTCTGT
TGCTCCGGTCTCTCATGTTGAGGAGGAAGGCCAGGTGCCCCCTGAAGATGACGATGACTTCTCTGAGTA
CTCTGTGATTCTGTGGAGGACTACCAGGAGCCTGAAGTTCATGGGATGGTGAAGCCGAGATTAAGGGC
TGGGACCAGAGAGGTTGAGATCTGCTCCCTACCCTGGATGAGGGCTCCTGTACTGCCTATACCTGCG
GCTGGTACCATCGAGCTGTGCTGGTGGCACAGCCTGTATCCCTTGTCTATGGTGGCTGCGGAGGGAA

TGCCAATCGTTTTGGAACCCGTGAGCGGTGTGAGCGCCGCTGCCACCCCAAGGGTCCACAGCCAGAAA
ACAGGTGCTGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215786 representing NM_007738
Red=Cloning site Green=Tags(s)

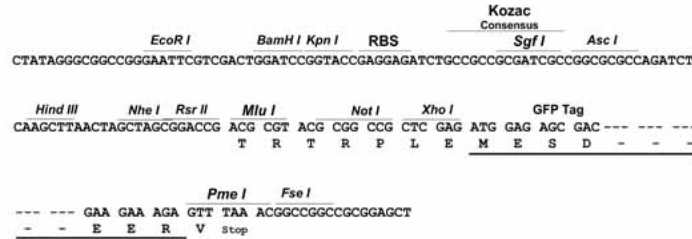
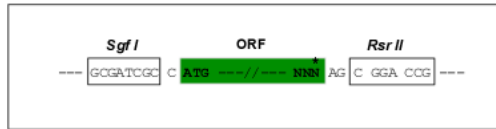
MRLRLVAALCAAIEILMGAPEVWAQPRDRVCTRLAADIIVFLLDGSSSIGRNSNFREVRGFLEGLVLPFS
GAASAQGVRFATVQYSDDPQTEFLDGLDGLGSGSDTIRAIRESYKGGNTRTGAALHHVSDRVFLPRLTRPG
VPKVCILITDGGKQDLVDTAAQKLKGGVVKLFAVGKINADPEELKRVASQPTSDFFFFVNDFSILRLLP
LISRRVCTTAGGVPVTLPSDDTPSGPRDLVLEPSSQSLRVQWTAASGPVTGYKVQYVPLTGLGQPLPSE
RQEVNIPAGETSTRLQGLRPLTDYQVTVVALYANSIGEAVSGTARTTAKEGLELSLQNTSHSLLVAVRR
VPGANGYRVTWRLSGGPTQQDLSPGQGSVFLDHLPEGTDYEVTVSALFGHSVGPAAASLTARTASSVEQ
TLHPILSPTSILLSWNLVPEARGYRLEWRRESGLETPQKVELPPDVTRHQLDGLQPGTEYRLTLTYLLE
GREVATPATVVPTGLEQLVSPVMNLQAIELPGQVRVRSWNPVPGATEYRFTVTRTQGVERTLLLPQSQT
FDLDDVRAGLSYTVRVSARVGAQEGDASILTIRHDPPEAPLVVPGLRVVASDATRIRVAVGLVPGASGFRI
SWRTGSGPESSRTLTPDSTVTDILGLQSTSYQVAVSALRGREGPPVIVARTDPLGPVRRVHLTQAGS
SSVSITWTGVPGATGYRVSWSHGHEKESLLVSGDATVAEIDGLEPDTEYIVRVTRHVAGVDGAPASVVV
RTAPEVGSVSKLQILNASSDLRVTVWVGPVATSYKLAWRSEGGPMKHRILPGNKESAEIRDLEGGVS
YSVRVTALVGDREGAPVSIIVITTPATPALLETQVVSQGEHSLRLRWEVPGAPGFRHLHWQPEGGQEQS
LTLGPESNSYNL VGLEPATKYQVWLVTLGQTGEGPPRKVTAYTEPSHIPSTELRVVDTSIDSVTLTWTPV
SGASSYILSWRPLRGTGQEVPRAPQTLPGTSSSHRVTGLEPGISYVFSLTPIQSGVRGSEISVTQTPACS
HGPVDVVFLLHATRDNHNAEAVRRVLERLVSALGPLGPQAAQVGLLTYSHRPSPLFPLNSSHDLGIILR
KIRDIPYVDPGNNLGTAVTTAHRYLALASNAPGRRQVPGVMVLLVDEPLRGDILSPIREAQTSGLKVMA
LSLVGADPEQLRRLAPGTDPIQNFFAVDNPGLDRAVSDLAVALCQAAVTIEPQTGPCAVHCPKQKQKGP
GVTGLQGGAGPPGPPGLPGRTGAPGPPGPGSTQAKGERGFPGPEGPPGSPGLPGVPGSPGIKGSTGRPG
PRGEQGERGPPGKGEPEGPPQITGGGGPGFPGKKGDPGSPGPPGSRGPVGDGPRGPPGLPGISVKGDK
GDRGERGPPGPIGASEQGDPLPGLPGSPGPPGAPRGPGEKGEKGDCEGGPGLPGQPPGPPGEPGLRGA
PGMTGPKGDRGLTGTPEGPGVKGGERGHPVGPQGLPGAAGHPGVEGPEGPPGPTGRRGEKGEPRGPPD
AVGPGGAGAKGEAGLPGPRGASGSKGEQAGLALPGDPGKGDGDRGPIGLTGRAGPTGDSGPPG
EKGEPRGPPGPPVGPGRDGEAGEKGDGEPGEPGLPGKAGERGLRGAPGRGPPVGEKGDQGDPEGDR
NGSPGSSGPKGDRGEPGPPGPPGRLVDAGIESRDKGEPQEGPRGPKGDGPPGVSGERGIDGLRPPGP
QGDGVRGPPAGDKGDRGPPGLDGRSGLDGKPGAPGPPGLHGASGKAGDPRDGLPGLRGEHGGPPGPP
GVPKAGDDGKPLNGKNDGPDGEDGRKGEKGDGSGAPREGPDGPKGERGAPGNPGLQGGPPLPGQV
PPGQGFPGVPGITGPKGDRGETGSKGEQGLPGERGLRGEPSLPAERLLETAGIKVSALREIVDTWDES
SGSFLVPERRPPGKGDGDRGPPGKEGLIGFPERGLKGERGDPGPPGGLALGERGPPGPPGLAGEP
GKPGIPLPGRAGGSEAGRPGERGERGEKGERGDQGRDGLPGLGPPGPPGPKVAIEEPGGLAREQGP
PGLKGAKEGPGSDGDPGKGDGVPGIKGDVGEKGRGHDGNPGLPGERVAGPEGKPLGQPRGTPGPV
GSHGDPGPPGAPLAGPAGPQGPSGLKGEGETGPPGRGLPGVAVGLGPPGPPGSLVGPQGSPLPGQ
VGETGKPPGRDSSGKDGDRGSPGVPVGPGLPGVPGKGEPPVGPVAGQVVVGGPAGKGEKAGPDLA
GALLGEPGAKGDRGLPGPRGEKEAGRAGGPDGEDGQKAGPLKGLKGEPIGVQGGPPGSPGPPGMK
DLGPPGAPGAPVVVFPQTGPRGETGQPGVGERLAGPPGREGAPGLGPPGPPGAGAPGASGLKGD
KGDGAGLPGPRGERGEPVVRGEGHPGQEGPRGLVGPVPSRGEQGEKAAGAAGLKGDKGDSAVIEGPP
GPRGAKGDMGERGPRGIDGDKGPRGESGNPDKGSKGEPGDKGSAGSIVRGLTGPKEGPAAGIPGEPG
APGDGIPGFRGDKDGIIFMGRGLKGEKGIKGTGCRDGERGDKGEAGFPGRPGLAGKKGDMGEPGLPGQ
SGAPGKEGLIGPKGDRGFDGQSGPKGDQGEKGERGPPGPPGPPGPRGNDGSSGPPGPPGPPGPEGLQ
GQKGERGPPGESVVGAPGAPGTPGERGEQGRPGAPRGEKGEAALTEDDIRDFVRQEMSQHCACQGF
ASGSRPLPGYAADTAGSQLHHVPVLRVSHVEEGQVPPEDDDDFSEYSVSVVEDYQEPVWDGEAEIKG
WDQRGSDLCSLPLDEGSCTAYTLRWYHRAVPGGTACHPFVYGGCGGNANRFGTREACERRCPPQGVHSQK
TGAA

SGPTRRRLE - GFP Tag - V

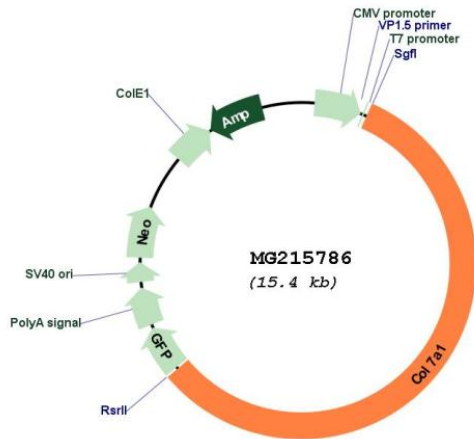
Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_007738

ORF Size: 8832 bp

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:

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_007738.4](#)

RefSeq Size: 9222 bp

RefSeq ORF: 8835 bp

Locus ID: 12836

UniProt ID: [Q63870](#)

Cytogenetics: 9 59.63 cM

Gene Summary: Stratified squamous epithelial basement membrane protein that forms anchoring fibrils which may contribute to epithelial basement membrane organization and adherence by interacting with extracellular matrix (ECM) proteins such as type IV collagen.[UniProtKB/Swiss-Prot Function]