

Product datasheet for **MG207026**

Col26a1 (NM_024474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col26a1 (NM_024474) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col26a1
Synonyms:	9430032K24Rik; BC002218; Col26a; Emid2; Emu2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207026 representing NM_024474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGGTTTTGCTGTTACCATGGCGTGCTGCTGCTTGTGCGGGTCGGCGCTGGCCACCGCTTTC
TCTACCCGTTCCCGGCAGCAGCCTTGCAGCAGCACGGCTACCCGGAGCAGGGCGCCGGCTCCCCGGCAA
CGGCTACTCGAGTCGCCGGCACTGGTGCATCACACGGTGACAAGGACAGTGTCTGCCAGGTGCAGAA
GGCTCCGAGACGGTGGTCCAGCGAGTCTACCAGAGCTGCCGGTGGCTGGGCCCTGTGCCAACCTCGTGA
GTTACAGGACTCTATTAGACCGACCTACCGGGTTTCTACCGCACGGTGACTGCGCTGGAGTGGAGGTG
TTGCCCAGGATCACCGAAGCAACTGCGAGGAAGAATGTATGAACTGTACCCGGCTTAGCGACATGAGT
GAACGGCTGACCACGCTGGAGGCCAAGTCTCTTGTGGAAGCAGCTGAGCAGCCTTCCAGTCCAGACA
ATGACCTGCCACCCCGCAGAGCACCCCAACCTGGAACGAGGACTTCTGCCAGACGCCATTCAT
CGCACATCCAGGGCCCGGAGGAGAAGACCCACAGGTCCAGCTGGACCTCCAGGACAGATGGGACCACCT
GGACCTGCAGGACCTCCAGGTTCCAAAGGTGAACAGGGCCAGACAGGAGAGAAGGGCCAGTGGGACCTC
CAGGTCTCTTGGGACCACCGGGCCACGCGGGCTCCCTGGAGAGATGGGGCGCCCTGGTCCACCAGGCC
TCCTGGCCAGCAGGAAGTCTGGCCTCTTGCCAAACTCCCCAAGGCTCCTGTATTCCTGCAGACA
CCAACAGACAAGGAGAATGGAGACTCCAGCTGAACCTGCTGTTGTAGACACAGTGTACTGATGGCATCC
CAGGTCCCCGGGTCCCCAGGCCCCCTGGTCCCCAGGACCACAGGCCCCAGGACCCAGGAGC
ACCTGGATCCCAGGGCCTGGTGGATGAGCGGGTTGTGCAAGGCCATCTGGTGGAGCCAGTGTGAAGGAA
GAAGAGGACAAAGCCAGCGCTGCAGAGGAGAAGGTGTGACGAGCTTCGCGAGGCCCTGAAGATCCTGG
CAGAGAGGGTCTTATCCTTGAGCATAATGATTGGAGTCCATGATCCCCTGGCCTCCTGAGGGTGGCTC
TGGGCAGGATGCAGCCCTGAGAGCCAATCTCAAGATGAAGCGAGGAGTCTCGACTGACGGCATCCTG
GCTGCCCTGCTGGGCCCGACCTGCACAAAAGAGCGCAGACCAGGCTGGCGACAGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207026 representing NM_024474
Red=Cloning site Green=Tags(s)

MKLVLLLPWACCCLCGSALATGFLYPFAAALQQHGYPEQGAGSPGNGYSSRRHWCHHTVTRTVSCQVQN
 GSETVVQRVYQSCRWPGPCANLVSRYRTLIRPTYRVSYRTVTALEWRCCPGFTGSNCEEEMNCTRLSDMS
 ERLTTLEAKVLLLEAAEQSPGPDNDLPPPQSTPPTWNEFLPDAIPIAHPGPRRRRPTGPAGPPQMGPP
 GPAGPPGSKGEQQTGEKGPVGPPLGLPPGPRGLPGEMGRPGPPGPPGAPGSPGLLPNTPQGVLYSLQT
 PTDKENGDSLNPAAVVDVLTGIPGPRGPPGPPGPHGPPGPPGAPGSQGLVDERVVARPSGEPVKE
 EEDKASAAEGEVQQLREALKILAERVLILEHMIQVHDLASPEGGSGQDAALRANLKMKRGGPRPDGIL
 AALLGPDPAQKSADQAGDRK

TRTRPLE - GFP Tag - V

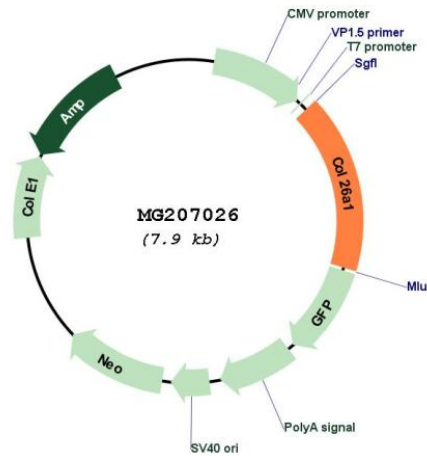
Restriction Sites:

Sgfi-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_024474

ORF Size:	1320 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:	<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_024474.3
RefSeq Size:	2705 bp
RefSeq ORF:	1323 bp
Locus ID:	140709
UniProt ID:	Q91VF6
Cytogenetics:	5 G2