

Product datasheet for **MG212085**

Col11a1 (NM_007729) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Col11a1 (NM_007729) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Col11a1
Synonyms: C530001D20Rik; cho
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212085 representing NM_007729
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCC**CGATCGCC**

ATGGAGCCCTGGTCCAGGTGAAAAACGAAACGGTGGATCTGGGATCTCACCATCTCAACCCTCGCCTTGA
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CTGATGTTACCATTCCGCTATGGGGGTGACGGCTCCAAGGACCAACAATCTCTGCACAGGAAGCCCAAG
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG212085 representing NM_007729
 Red=Cloning site Green=Tags(s)

MEPWSRWKTKRVIWDLTISTLALTFLFQAREVRGAAPVDILKALDFHNSPVGISKTTGFCNTRKNSKDPD
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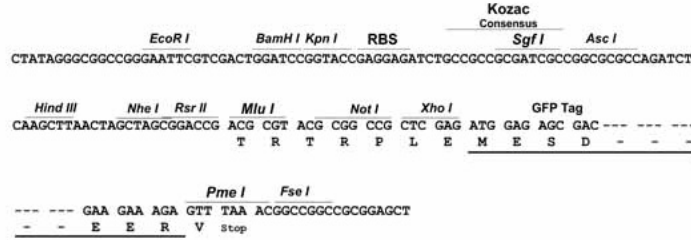
TRTRPLE - GFP Tag - V

Restriction Sites:

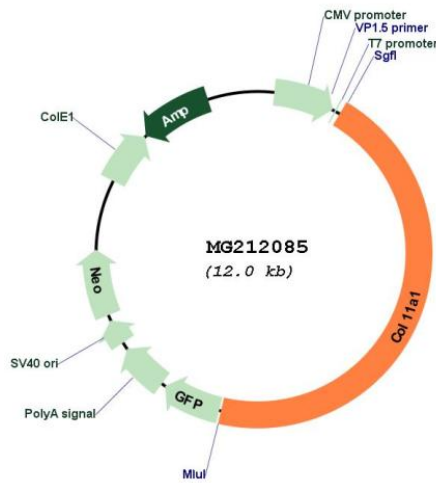
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:

NM_007729

ORF Size:	5412 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_007729.3 , NP_031755.2
RefSeq Size:	7275 bp
RefSeq ORF:	5415 bp
Locus ID:	12814
UniProt ID:	Q61245
Cytogenetics:	3 49.35 cM
Gene Summary:	This gene encodes the alpha-1 subunit of type XI collagen, one of the low abundance fibrillar collagens that is essential for normal embryonic skeletal development and the cohesive properties of cartilage. The encoded protein, in association with the alpha-1 subunit of type II collagen, forms a heterotrimeric type XI procollagen that undergoes proteolytic processing. Mice lacking the encoded protein develop severe chondrodysplasia and die at birth. [provided by RefSeq, Dec 2015]