OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG222900

Col18a1 (NM_001109991) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Col18a1 (NM_001109991) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Col18a1
Synonyms:	endostatin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG222900 representing NM_001109991
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCCCGACCCCAGCAGACGCCTCTGCCTGCTGCTGCTGTTGCTGCTCTCCTGCCGCCTTGTGCCTG
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GGTGGCCCCTGCTGCGAGCCCAGACATGAAGGAGGAGAATGTTGCGGGCGTTGGAGCCAAGATTCTGAAT
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AGCACCACAGAAGATCCTAGAACAGAAGAAACGGAGGAAGACGCCGCGGTAGATTCTATAGGAGCTGAGA
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TGAGAATAGCTTCATGACCTCTTTCTCCAAA

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222900 representing NM_001109991
Red=Cloning site Green=Tags(s)

MAPDPSRRLCLLLLLLLSCRLVPASADGNSLSPLNPLVWLWPPKTSDSLEGPVSKPQNSSPVQSTENPTT
HVVPQDGLTEQQTTPASSELPPEEEEEEDQKAGQGGSPATPAVPIPLVAPAASPDMKEENVAGVGAKILN
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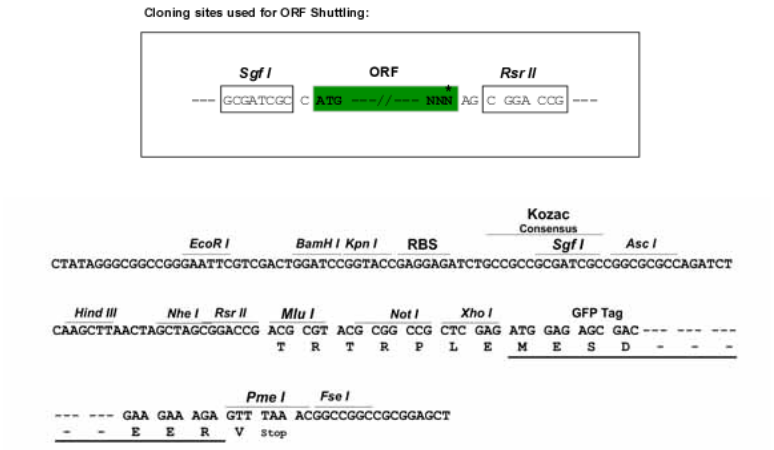
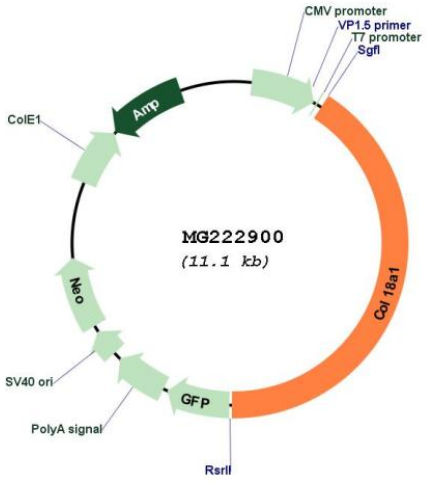
SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001109991
ORF Size:	4581 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_001109991.1, NP_001103461.1
RefSeq Size:	5642 bp
RefSeq ORF:	4584 bp
Locus ID:	12822
UniProt ID:	P39061
Cytogenetics:	10 39.72 cM
Gene Summary:	Probably plays a major role in determining the retinal structure as well as in the closure of the neural tube.[UniProtKB/Swiss-Prot Function]