

Product datasheet for **MG204138**

Ogn (NM_008760) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ogn (NM_008760) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ogn
Synonyms:	3110079A16Rik; mimecan; mimican; OG; OIF; SLRR3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204138 representing NM_008760 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACTGTGCACTCTACATTTCTCCTGCTACTCTTCGTGCCTCTGACACAGCAAGCACCACAGTCGC
AGCTGGACTCACATGTTAACTATGAGTATGCAACAGGCAATTCTGAAGAAACCAATTTAGCCAGGATTA
TGAAGATAAATACCTGGATGGGAAAAGTATTAAGGAAAAAGAACTATGATAATTCCTGATGAGAAAAGT
CTTCAGTTACAAAAGATGAAGTTATACCATCATTACCAACCAAGAAAGAAAATGATGAAATGCCACAT
GCCTGTTGTGTCTGCTTAAGTGGCTCTGTCTACTGTGAAGAAGTTGACATTGATGCTGTACCACCATT
GCCAAAGGAATCAGTTATCTTTATGCACGATTCAACAAAATTAAGGCTGACTGCCAAGGATTTTGCA
GACATGCCAAACCTAAGAAGACTTGATTTACGGGAAATTTGATAGAAGACATAGAAGATGGGACTTTTT
CAAACTTTCTCTGTTAGAAGAATTACACTTGCTGAAAACCAACTACTAAGACTTCCAGTTCTTCTCTCC
AAAGCTTACTTTACTTAATGCCAAACACAACAAAATCAAGAGTAAAGGAATTAAGCAAACACATTTCAA
AAACTGAATAAATCTCTTTTCTCTATTTGGACCATAACGACCTGGAATCTGTGCCTCCTAATTTACCAG
AAAGTCTACGTGTAATTCACCTCAGTTAACAGCATATCTTCACTTACAGATGATACATTCTGCAAGGC
TAATGACACTCGTTACATTCGGGAGCGAATTGAAGAGATTCGCTGGAGGGCAATCCAATTGCTCTGGGA
AAGCATCCAAACAGTTTTATCTGCTTAAAAAGATTACCCATAGGGTCATACTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204138 representing NM_008760
 Red=Cloning site Green=Tags(s)

METVHSTFLLLLFVPLTQQAPQSQLDSHVNYEYATGNSEETKFSQDYEDKYLDGKSIKEKETMIIPDEKS
 LQLQKDEVIPSLPTKKENDEMP TCLLCVCLSGSVYCEEVDIDAVPPLPKESAYLYARFNKIKKLTAKDFA
 DMPNLRRLDFTGNLIEDIEDGTF SKLSLLEELTLAENQLLRPLVLPKLLNNAKHNIKSKGKIKANTFK
 KLNKLSFLYLDHNDLESVPPNLPESLRVIHLQFNSSLD TDDTFCKANDTRYIRERIEEIRLEGNPIALG
 KHPNSFICLKRPLIGSYF

TRTRPLE - GFP Tag - V

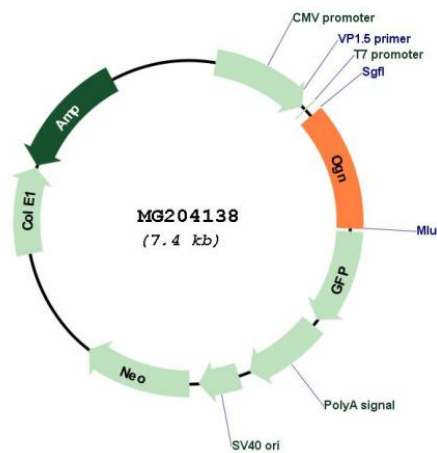
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_008760

ORF Size: 894 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_008760.2 , NP_032786.1
RefSeq Size:	2541 bp
RefSeq ORF:	897 bp
Locus ID:	18295
UniProt ID:	Q62000
Cytogenetics:	13 A5
Gene Summary:	Induces bone formation in conjunction with TGF-beta-1 or TGF-beta-2.[UniProtKB/Swiss-Prot Function]