

Product datasheet for MR204138

Ogn (NM_008760) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ogn (NM_008760) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ogn
Synonyms:	3110079A16Rik; mimecan; mimican; OG; OIF; SLRR3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204138 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACTGTGCACTCTACATTTCTCCTGCTACTCTTCGTGCCTCTGACACAGCAAGCACCACAGTCGC
AGCTGGACTCACATGTTAACTATGAGTATGCAACAGGCAATTCGAAGAAACCAATTTAGCCAGGATTA
TGAAGATAAATACCTGGATGGGAAAAGTATTAAGGAAAAAGAACTATGATAATTCCTGATGAGAAAAGT
CTTCAGTTACAAAAGATGAAGTTATACCATCATTACCAACCAAGAAAGAAAATGATGAAATGCCACAT
GCCTGTTGTGTCTGCTTAAGTGGCTCTGTCTACTGTGAAGAAGTTGACATTGATGCTGTACCACCATT
GCCAAAGGAATCAGCTTATCTTTATGCACGATTCAACAAAATTAAGGCTGACTGCCAAGGATTTTGCA
GACATGCCAAACCTAAGAAGACTTGATTTACGGGAAATTTGATAGAAGACATAGAAGATGGGACTTTTT
CAAACTTTCTCTGTTAGAAGAACTTACTTGTGAAAACCACTACTAAGACTTCCAGTTCTTCTCTCC
AAAGCTTACTTTACTTAATGCCAAACACAACAAAATCAAGAGTAAAGGAATTAAGCAAACACATTCAAA
AAACTGAATAAATCTCTTTTCTCTATTTGGACCATAACGACCTGGAATCTGTGCCTCCTAATTTACCAG
AAAGTCTACGTGTAATTCACCTCAGTTAACAGCATATCTTCACTTACAGATGATACATTCTGCAAGGC
TAATGACACTCGTTACATTCGGGAGCGAATTGAAGAGATTCGCCTGGAGGGCAATCCAATTGCTCTGGGA
AAGCATCCAACAGTTTTATCTGCTTAAAAAGATTACCCATAGGGTCATACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204138 protein sequence
Red=Cloning site Green=Tags(s)

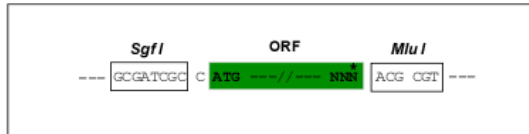
METVHSTFLLLLFVPLTQQAPQSQLDSHVNYEYATGNSEETKFSQDYEDKYLDGKSIKKEKTMIIPEKSLQLQKDEVIPSLPTKKENDEMPCLLCVCLSGSVYCEEVDIDAVPPLPKESAYLYARFNKIKKLTAKDFA DMPNLRRLDFTGNLIEDIEDGTFSKLSLLEELTLAENQLLRPLVLPKLLNNAKHNIKSKGKIKANTFK KLNKLSFLYLDHNDLESVPPNLPESLRVIHLQFNSSLDLDDTFCKANDTRYIRERIEEIRLEGNPIALG KHPNSFICLKRPLIGSYF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008760

ORF Size: 897 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_008760.1](#), [NM_008760.2](#), [NM_008760.3](#), [NM_008760.4](#), [NP_032786.1](#)

RefSeq Size: 2540 bp

RefSeq ORF: 897 bp

Locus ID: 18295

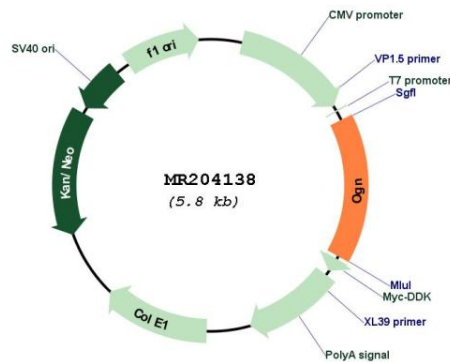
UniProt ID: [Q62000](#)

Cytogenetics: 13 A5

MW: 34 kDa

Gene Summary: Induces bone formation in conjunction with TGF-beta-1 or TGF-beta-2.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204138