

Product datasheet for **MR203314**

Optc (BC099435) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Optc (BC099435) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Optc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203314 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGTTCCTGGCTTTCCTGAGTCTGTTGAGCTTGGTGTGCAGAAGGCAGAGACAGCTTCTCTCCTAG
GGGAGAGAGAAAGAGAAGAGCAGAGCCCTGAGGAAGGTGACACTTACGCGTCCCTGTATGTGGGAAACCA
TACCCTGAGCATAGAGGACTACAACGAGGTCATTGATCTCAGCAACTATGAAGAAGTGGCAGACTATGGA
GACCAGATCCCTGAGGCTAAAAAAGCAATCTGACTCTCCAACAAGAAGTCCCACTAGCACTGTGG
CTCAGAAGACATTGTACCAAACTCACGATGGCCGTACCTACCACCCTGGCCTACTAACTCCAGAG
CAGTCATGGCCTGCCTACCTGCCTGGTCTGTGTGCCTTGGCTCTTCTGTCTACTGTGATGATGCAGAC
CTGGAGAACATCCCTCCTTCCCCAGATGACCACCTACCTATATGCTCGCTTCAACCACATCAGCCACA
TCCAGGCTGGAGACTTCAAAGGGCTGACAAAAGTGAAGGATCGACCTCTCTGGCAACTCCATCTCCTC
CATCCACAACGATGCCCTCCGCCTGCTGCCTGCCCTGCAGGATCTGATCCTTCCAGAGAACCAGCTGGCA
GCCCTGCCTGTGCTGCCAGTGGCATTGAGTTCCTGGACGTCCGCCTGAATCGGCTGCAGAGCTCTGGGA
TACAGCCTGAGGCATTCGTGGTGTGAGTCAGGACATCAGTCTGCCGTACGAAGTGCACCCTTCTCATGTACC
C

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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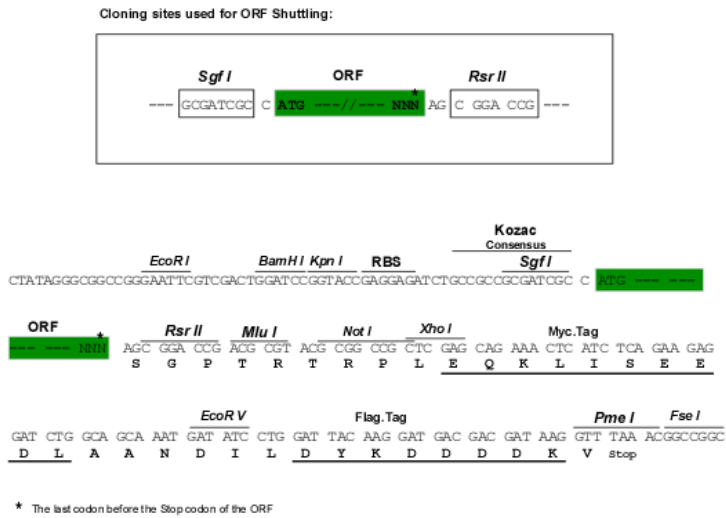
Protein Sequence: >MR203314 protein sequence
 Red=Cloning site Green=Tags(s)

MKFLAFLSLLSLVLQKAETASLLGEREREEQSPEEGDTYASLYVGNHTLSIEDYNEVIDLSNYEELADYG
 DQIPEAKISNLTLPTRTSPTSTVAQKTLSPNL TMAVPTTGLLSQSSHGLPTCLVCVCLGSSVYCDDAD
 LENIPPLPQMTTYLYARFNHISHIQAGDFKGLTKLRRIDLSGNSISSIHNDALRLLPALQDLILPENQLA
 ALPVLPSGIEFLDVRLNRLQSSGIQPEAFVVSQDISLPYEVHPSHVP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: BC099435

ORF Size: 771 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: [BC099435](#), [AAH99435](#)

RefSeq Size: 1030 bp

RefSeq ORF: 773 bp

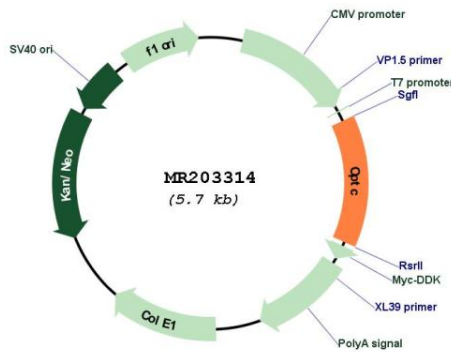
Locus ID: 269120

Cytogenetics: 1 58.02 cM

MW: 28.2 kDa

Gene Summary: Binds collagen fibrils.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203314