

## Product datasheet for **MC214282**

### Optc (NM\_001160422) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Optc (NM\_001160422) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Optc  
**Synonyms:** MGC117622  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC214282 representing NM\_001160422  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGGGGGTGTCTAGCTGTCCCCTGCTCTGACAGGCAGTCATCATCTCCACCAGAAGCTCCCTGGAAGC  
TGCTGAGCCAGACGGAACCAAAAGCATCTAAAAGGATGTACCTCAGAGGGATTAGCCATCCCCTCCT  
ACCCCTCCCTCAGAACCTCATGAAGTTCCTGGCTTTCTGAGTCTGTTGAGCTTGGTGTGCAGAAGGCA  
GAGACAGCTTCTCCTAGGGGAGAGAAAGAGAAGAGCAGAGCCCTGAGGAAGGTGACTTACGCGT  
CCCTGTATGTGGGAACCATACCTGAGCATAGAGGACTACAACGAGGTCATTGATCTCAGCAACTATGA  
AGAAGTGGCAGACTATGGAGACCAGATCCCTGAGGCTAAAATAAGCAATCTGACTCTTCCAACAAGAACT  
AGTCCCCTAGCACTGTGGCTCAGAAGACATTGTACCAAACTCACGATGGCCGTACCTACCACCACTG  
GCCTACTAACTCCCAGAGCAGTCATGGCCTGCCTACCTGCCTGGTCTGTGTGCCTTGGCTCTTCTGT  
CTACTGTGATGATGCAGACCTGGAGAACATCCCTCCTCTTCCCAGATGACCACCTACCTATATGCTCGC  
TTCAACCACATCAGCCACATCCAGGCTGGAGACTTCAAAGGGCTGACAAAAGTGAAGGATCGACCTCT  
CTGGCAACTCCATCTCCTCCATCCACAACGATGCCCTCCGCTGCTGCCCTGCAGGATCTGATCCT  
TCCAGAGAACCAGCTGGCAGCCCTGCCTGTGCTGCCAGTGCCATTGAGTTCCTGGACGTCGCGCTGAAT  
CGGCTGCAGAGCTCTGGGATACAGCCTGAGGCATTCGTGGTGTGAGTCAGGACATCAGTCTGCCGTACGAAG  
TGCACCCTTCTCATGTACCC**TGA**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001160422  
**Insert Size:** 933 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001160422.1</a></u> , <u><a href="#">NP_001153894.1</a></u>
<b>RefSeq Size:</b>	1197 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	269120
<b>Cytogenetics:</b>	1 58.02 cM
<b>Gene Summary:</b>	Binds collagen fibrils.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) lacks an exon in the coding region that results in a frameshift and an early stop codon compared to variant 1. The encoded isoform (4) has a distinct C-terminus compared to isoform 1.