

Product datasheet for MC214280

Optc (NM_001160420) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Optc (NM_001160420) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Optc
Synonyms:	MGC117622
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214280 representing NM_001160420 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAGGGGGTGTCTAGCTGTCCCTGCTCTGACAGGCAGTCATCATCTCCACCAGAAGCTCCCTGGAAGC
TGCTGAGCCAGACGGAACCAAAAGCATCTAAAAGGATGTACCTCAGAGGGATTAGCCATTCCCCTCCT
ACCCCTCCCTCAGAACCTCATGAAGTTCTGGCTTTCCTGAGTCTGTTGAGCTTGGTGTGCAGAAGGCA
GAGACAGCTTCTCTCTAGGGGAGAGAGAAAGAGAAGAGCAGAGCCCTGAGGAAGGTGACACTTACGCGT
CCCTGTATGTGGGAACCATACCCTGAGCATAGAGGACTACAACGAGGTCATTGATCTCAGCAACTATGA
AGAACTGGCAGACTATGGAGACCAGATCCCTGAGGCTAAAATAAGCAATCTGACTCTTCCAACAAGAACT
AGTCCCACTAGCACTGTGGCTCAGAAGACATTGTCAACAAACCTCACGATGGCCGTACCTACCACCACTG
GCCTACTAAACTCCCAGAGCAGTCATGCAAACTGAGAAGGATCGACCTCTTGGAACCTCCATCTCCTC
CATCCACAACGATGCCCTCCGCTGCTGCCTGCCCTGCAGGATCTGATCCTTCCAGAGAACCAGCTGGCA
GCCCTGCCTGTGCTGCCAGTGGCATTGAGTTCCTGGACGTCCGCTGAATCGGCTGCAGAGCTCTGGGA
TACAGCCTGAGGCATTCGTGGCGCTGAAGAAGCTGCAGTTTCTACCTGGCCAACAACATGCTGGATTCT
CATCCCTGGGCCTTTGCCCTCAGCCTGCGCTCTCTGCACCTGCAGAATAACATGATCGAGACCATGGAA
AGCGACACCTTCTGTGACACCGGGGAACACAGACATGAGCGCCGCGAGCTGGAAGACATCCGCTGGACG
GGAACCCCATCAACCTGAGCCTTTCCAGAGGCTATTTTGCCTGCCACGGCTCCCTGTGGCCCACTT
CAC**TAG**

AC**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



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ACCN:	NM_001160420
Insert Size:	987 bp
OTI Disclaimer:	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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001160420.2, NP_001153892.1</u>
RefSeq Size:	1636 bp
RefSeq ORF:	987 bp
Locus ID:	269120
Cytogenetics:	1 58.02 cM
Gene Summary:	Binds collagen fibrils.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and lacks an in-frame exon in the coding region compared the variant 1. This results in a shorter protein (isoform 2) compared to isoform 1. Variants 2 and 3 encode the same protein (isoform 2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.