

## Product datasheet for RN203920

### Otc (NM\_013078) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Otc (NM_013078) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Otc
Synonyms:	MGC108742
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203920 representing NM_013078 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGTCTAATTTGAGGATCCTGCTCAACAAGGCAGCTCTTAGAAAGGCTCACACTTCCATGGTTCGAA  
ATTTTCGGTATGGGAAGCCAGTCCAGAGTCAAGTACAGCTGAAAGGCCGTGACCTCCTCACCTGAAGAA  
CTTCACAGGAGAGGAGATTCAGTACATGCTATGGCTCTCTGCAGATCTGAAATTCAGGATCAAACAGAAA  
GGAGAATACTTGCCTTTATTGCAAGGAAATCCTTAGGGATGATTTTTGAGAAAAGAACTCGAACAA  
GACTGTCCACAGAAACAGGCTTCGCTCTTCTGGGAGGACATCCTTCTTTCTTACCACACAAGACATTCA  
CTTGGGCGTGAATGAAAGTCTCACAGACACAGCTCGTGTGTTATCTAGCATGACAGATGCAGTGTAGCT  
CGAGTGTATAACAATCAGATCTGGACATCCTGGCTAAGGAAGCAACCATCCCAATTGTCAACGGACTGT  
CAGACCTGTATCATCCTATCCAGATCCTGGCTGATTACCTTACACTCCAGGAACACTATGGCTCTCTCAA  
AGGTCTCACCTCAGCTGGATAGGAGATGGGAACAATATCCTGCACTCCATCATGATGAGTGTGCAAAA  
TTCGGGATGCACCTCAAGCAGCTACTCCAAAGGGTTATGAGCCAGATCCTAATATAGTCAAGCTAGCAG  
AGCAGTATGCCAAGGAGAATGGTACCAGTTGTCAATGACAAATGATCCACTGGAAGCAGCAGCTGGAGG  
CAATGTATTAATTACAGATACTTGGATAAGCATGGGACAAGAGGATGAGAAGAAAAGCGTCTTCAAGCT  
TTCCAAGTTACCAGTTACAATGAAGACTGCTAAAGTGGCTGCGTCTGACTGGACGTTTTTACACTGCT  
TGCTTAGAAAGCCAGAAGAAGTAGATGATGAAGTGTATTCTCCGCGGTATTAGTGTCCAGAGGC  
AGAAAATAGAAAGTGGACAATCATGGCTGTCATGGTATCCCTGCTGACAGACTACTCACCTGTGCTCCAG  
AAGCCAAAGTTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013078



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<b>Insert Size:</b>	1065 bp
<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_013078.1</a></u> , <u><a href="#">NP_037210.1</a></u>
<b>RefSeq Size:</b>	1519 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	25611
<b>UniProt ID:</b>	<u><a href="#">P00481</a></u>
<b>Cytogenetics:</b>	Xq12
<b>Gene Summary:</b>	catalyzes the conversion of L-ornithine to L-citrulline [RGD, Feb 2006]