

## Product datasheet for **MC212705**

### Sox21 (NM\_177753) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Sox21 (NM\_177753) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Sox21  
**Synonyms:** Sox25  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC212705 representing NM\_177753  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCAAGCCTGTGGACCACGTCAAGCGGCCATGAACGCCTTCATGGTGTGGTCGCGGGCTCAGCGGC  
 GGAAGATGGCCAGGAGAACCCTAAGATGCACAACCTCGGAGATCAGCAAGCGCCTGGGCGCCGAGTGAA  
 GCTGCTACCCGAGTCGGAGAAGCGGCCGTTTCATCGACGAGGCGAAGCGCCTGCGAGCCATGCACATGAAG  
 GAGCATCCCGACTACAAGTACCGGCCGCGCGCAAGCCCAAGACGCTGCTCAAAAAGGACAAGTTCGCT  
 TCCCCGTGCCCTACGGCCTGGGCAGCGTGGCGGACGCGGAGCACCCGGCGCTCAAGGCGGAGCCGGGCT  
 GCACGCGGGCGCGGGCGCGGCCTGGTCCCCGAGTCTCTGCTCGCGAACCCCGAGAAGGCGGCGCCGCA  
 GCTGCCCGCCGCCCGCGCGCTTCTTCCCCGAGTCTGCGGCCGCTGCCGCCGCCGCTGCCGCCG  
 CCGCCGCTGGCAGCCCTACTACTGCTCGACCTGGGCTCCAAGATGGCAGAGATCTCGTCGTCGTCGTC  
 CGGCTGCCGTACGCGTCGTCGCTGGGGTACCCACGGCGGGTGGCGGCCCTTCCACGGGGCGGCGCG  
 GCGGCTGCTGCGGCCGCGGGCGGCCGCGGAGGGCACACGCACTCGCACCCAGTCCCGGCAACCCCGGCT  
 ACATGATCCCGTGCAACTGCAGCGCGTGGCCAGCCCGGGGCTGCAGCCGCCGCTCGCTACATCCTGCT  
 GCCAGGCATGGCAAGCCTCAGTGGACCCCTACCCCGCGGCCACGTCGCCGCGCT**ATGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_177753  
**Insert Size:** 831 bp



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<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>	<a href="#">NM_177753.3</a> , <a href="#">NP_808421.1</a>
<b>RefSeq Size:</b>	3798 bp
<b>RefSeq ORF:</b>	831 bp
<b>Locus ID:</b>	223227
<b>UniProt ID:</b>	<a href="#">Q811W0</a>
<b>Cytogenetics:</b>	14 E4
<b>Gene Summary:</b>	<p>May play a role as an activator of transcription of OPRM1. Overexpression of SOX21 can up-regulate the OPRM1 distal promoter activity in mor-expressing neuronal cells.</p> <p>[UniProtKB/Swiss-Prot Function]</p>