

## Product datasheet for **MC220996**

### **Six5 (NM\_011383) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Six5 (NM_011383) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Six5
Synonyms:	Dmahp; MDMAHP; TrexBF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC220996 representing NM\_011383  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTACCTCGCTGCGGAGCCGAGCGGGGCCCGCGCTCGGGGGAGGCGGCGCGGACCGAGG  
 AGCAGGAGGAGGAAGCGGCCAGCTTCTCAGACTCTGCAGCAGCCAGGGGGAGGCGGCGGCCGG  
 GGCGGGAGATGCGGCGGGCGGCGGACTCTGGGTCCCCGAGTGCCCGGGTCTCCCCGGGAGACCGTG  
 ACCGAGGTGCCACTGGCCTTCGCTTCTCGCCGAACAGGTGGCATGCGTGTGCGAGGCGCTGTCAGG  
 CGGGCCACGCCGGCCGCTTGAGCCGCTTCTGGGCGCGCTGCCCCGGCCGAGCGCTACGTGCCAGCGA  
 TCCGGTGTGCGCGCGGGGCCCTAGTGGCCTCCAGCGGGTGAATACGCCGAGCTCTACCAACTTCTC  
 GAGAGCCGCCCTTCCCCGCCGCCACCACGCCTTCTGCAGGACCTCTACCTGCGCGCGCTACCACG  
 AGGCCGAGCGGGCCGTTGGCGTGCCTGGGCGCTGTGGACAAAACCGGCTGCGCAAGAAGTTCCTCT  
 GCCAAGACCATCTGGGATGGCGAGGAGCCGTCTATTGCTTCAAGGAGCGCTCGCGAGCGCGCTCAAG  
 GCCTGCTACCGCGCAACCGCTATCCCACGCCTGACGAGAAGCGCCGCTGGCCACGCTACCGGCCTCT  
 CGTTACACAGGTCAGCAACTGGTTCAAGAACCGCGACAGCGGACCGCACTGGGACCGCGGTGGAGC  
 GCCTTGCAAAAGCGAGTCTGATGGGAACCCACTACGGAGGATGAGTCCAGCCGAGTCCAGAGGACCTG  
 GAGAGGGGTGTGGCTCCATGGCTGCTGAGGCCCCCGCCAGAGTTCCATCTTCTGGCGGGGCCACCT  
 CTCCTGCAACGTGCCCTGCCTCCTCTATCCTAGTGAATGGGAGCTTCTGGCCGCCAGCAGTCCCCC  
 AGCAGTGTCTCAATGGTAGCCAGTCATTATCAATAGCTTGGCCCTAGGAGAGAACTCCAGCTGGGG  
 CCCTTGCTACTCACAGGAGGAAGTGCCTCAACCACAGCCAGTCTCCAAGGGTCACTGAGGCCCAAGA  
 ATTCTGTGTCTGGACCCTCAGACAGGAGAGGTTGACTGGATGAGGCTCAGTCTGAGGCCCTCAGAG  
 CAAGGGGTTTATGGGACTACTGGAGAGAAATCCCAGGAGCCCTGCCCAAGTAGTCCCAGGCCCCCA  
 CCTGCCTCCACCTTCTCTGACCCCGGAGCTGTGCCTGCTGTGGCTGCTCCTCAGTTGTACCGCTCT  
 CCCCTTCTTGGGTACCCAACAGGCCTGAGCCCCACCTCCCCACGGCTGAACTTGCCCCAGGTGGTGCC  
 CACCTCTCAGGTGGTAACCCTGCCTCAGGCTGTGGGGCCACTCCAGCTGTTGGCAGCTGGCCAGGCAGT  
 CCTGTGAAGGTGGCAGCTGCAGCGGGCCCTACCAATGTGCACCTGATAAACTCTAGTGTGGGAGTGACTG  
 CGCTGCAACTTCCCTCGTCCACTGCTCCAGGAACTTCTCCTGGCCAACCCTGTGTCTGGTAGCCCCAT  
 TGTCACTGGGGTAGCTGTGCAGCAGGGCAAGATCATCCTCACTGCCACCTTCCCCACCAGCATGCTCGTC  
 TCCAGGTCTGCCTCCTGCCCCAGTCTAGCCCTGCCCTGAAGCAAGGCCAGCTATCACAGTGCCTG  
 AAGGAGCTCTCCAGTGGGCCCCAGCCCCACCCTCCCAGAGGGTACACTCTGGGGCCAATCTCTACTCA  
 GCCACTGCCACCTGCTTCTGTTGTACCTCTGGCACCAGCCTGCCTTTCTCCCCGACTCCTCTGGCCTG  
 CTTTCCAGCTTCTCAGCACCCCTACCTGAAGGTCTGATGTTGTACCTGCAGCTGTGCCAGTCTGGCCAG  
 CAGGGCTGGAAGTGCAGCAGGAGTAGAAGGGCTGGGGACACAGGCCACCCACACTGTGCTGAGGCTGCC  
 AGACCCTGACCCCGAGGACTGCTTCTGGGGGCTACAACAGGGACTGAGGTTGATGAGGGGCTAGAAGCT  
 GAGGCCAAGTCTGACCAGCTGCAGTCGGTACCCGTGGAGGAGCCCTTGAAGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011383

**Insert Size:** 2160 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).

<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_011383.1</a></u> , <u><a href="#">NP_035513.1</a></u>
<b>RefSeq Size:</b>	2853 bp
<b>RefSeq ORF:</b>	2160 bp
<b>Locus ID:</b>	20475
<b>UniProt ID:</b>	<u><a href="#">P70178</a></u>
<b>Cytogenetics:</b>	7 9.46 cM
<b>Gene Summary:</b>	Transcription factor that is thought to be involved in regulation of organogenesis. May be involved in determination and maintenance of retina formation. Binds a 5'-GGTGTCTAG-3' motif present in the ARE regulatory element of ATP1A1. Binds a 5'-TCA[AG][AG]TTNC-3' motif present in the MEF3 element in the myogenin promoter, and in the IGFBP5 promoter (By similarity). Thought to be regulated by association with Dach and Eya proteins, and seems to be coactivated by EYA1, EYA2 and EYA3.[UniProtKB/Swiss-Prot Function]