

## Product datasheet for **MG205130**

### Hoxc10 (BC053405) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | Hoxc10 (BC053405) Mouse Tagged ORF Clone                                   |
| Tag:                      | TurboGFP   |
| Symbol:                   | Hoxc10   |
| Synonyms:                 | A1506621; Hox-3.6  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >MG205130 representing BC053405<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACATGCCCTCGCAATGTAACCCGAACTCGTACGCGGAGCCCTTGGCTGCGCCGGGAGGAGGAGAGC  
GCTATAACCGTAACGCAGGAATGTATATGCAATCTGGGAGTGACTTCAACTGCGGGGTGATGAGGGGCTG  
CGGGCTCGCGCCTCTCTCCTCAAGAGGGACGAGGGAGGCAGCCAAACCTAGCCCTCAACACCTACCCG  
TCCTACCTCTCGCAGCTGGACTCCTGGGCGACCCAAAGCCGCCTACCGCTGGAACAACCTGTTGGCA  
GGCCTCTGCTCCTCTGTTCTACCCACCTAGTGTCAAGGAGGAGAATGTCTGCTGCATGTACAGTGCAGA  
GAAGCGGGCGAAAAGTGGCCCTGAGGCAGCTCTACTCCACCCCTGCCGGAGTCTTGCTTGGGGAG  
CAGGAGGTACCTGTACCCAGCTACTACCGAGCCAGCCGAGCTACTCCGCGCTGGACAAAACGCCCCACT  
GTGCTGGGGCCAACGAGTTCAAGCCCCCTTTGAGCAGCGGGCCAGTCTCAACTCGCGCACCGAACATCT  
GGAATCGCCTCAGCTTGGGGCAAAGTGAGTTTTCTGAGACCCCAAGTCCGACAGCCAGACCCCCAGT  
CCCAATGAGATCAAGACAGAGCAAAGCCTGGCGGGCCAAAAGCCAGCCCTCGGAGAGCGAGAAGGAAC  
GGGCAAGACCGCAGACTCCAGTCCAGACACCTCGGATAACGAAGCTAAAGAGGAGATAAAGGCAGAAAA  
CACCACAGGAAATTGGCTGACAGCAAAGAGCGGAAGGAAGAAGAGGTGCCCTATACTAAACACCAGACG  
CTGGAATTGGAGAAAGAATTTCTGTTCAATATGATTTTGACGCGAGAGCGCCCTGGAGATTAGCAAGA  
CCATTAACCTTACAGACAGACAAGTCAAAATCTGGTTTTCAAATCGCAGAATGAAACTCAAGAAAATGAA  
CCGAGAGAATCGGATCCGGAACTGACCTCCAATTTTAATTTACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205130 representing BC053405  
 Red=Cloning site Green=Tags(s)

MTCPRNVTPNSYAEPLAAPGGGERYNRNAGMYMQSGSDFNCGVMRGCLAPSLSKRDEGGSPNLALNTYP  
 SYLSQLDSWGDPKAAYRLEQPVGRPLSSCSYPSPVKEENVCCMYSAEKRAKSGPEAALYSHPLPESCLGE  
 HEVPVPSYYRASPSYSALDKTPHCAGANEFEAPFEQRASLNSRTEHLESPQLGGKVSFPETPKSDSQTPS  
 PNEIKTEQSLAGPKASPSESEKERAKTADSSPDTSDNEAKEEIKAEENTTGNWLTAKSGRKKRCPYTKHQ  
 TLELEKEFLFNMYLTRERRLEISKITINLTDQRVKIWFQNRMRMKLKKMNRENRIRELTSNFNFT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC053405

**ORF Size:** 1028 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**RefSeq:** [BC053405](#), [AAH53405](#)

**RefSeq Size:** 1755 bp

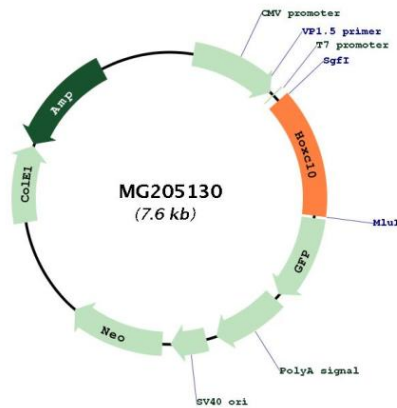
**RefSeq ORF:** 1028 bp

**Locus ID:** 209448

**Cytogenetics:** 15 58.03 cM

**Gene Summary:** Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG205130