

Product datasheet for **MG207059**

Hoxa3 (NM_010452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxa3 (NM_010452) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hoxa3
Synonyms:	Hox-1.5; Mo-10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207059 representing NM_010452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAAAAAGCGACCTACTACGACAGCTCAGCGATCTACGGTGGCTACCCCTACCAAGCAGCCAATGGGT
TCGCTTACAATGCCAGTCAGCAGCCATACGCGCCGTCGCGCCTCTGGGCACCGATGGCGTTGAGTACCA
TCGACCTGCCTGCTCCCTCCAGTCTCCCGCCAGCGCTGGGGGCCACCCAAAACATGAGCTGAGCGAA
GCTTGTCTGCGCACCTGAGCGGCCCTCCTAGTCAGCCCCAGGCTGGGTGAACCACCTTTGCCTCCAC
CTCTCCCGAGGAGCGCCCCAGCGCCCCAGCCTCCACAGCCCCACCAGCCCCCTGCGCCACCCC
TGCAGCTCCTCCGCTCCCTCGTCTGTCTCTCCCCCTCAAAGTGCCAACAGCAACCCTACCCCTGCCAGC
ACAGCCAAGAGCCCCCTGCTCAACTCTCCACCCGTGGGCAAAACAATCTTTCCCTGGATGAAAGAGTCAA
GGCAGAACTAAGCAGAAAACCAGCGGCTCCAGCTCAGGGGAGAGCTGCGCTGGTGACAAGAGCCCGCC
TGGGCAGGCTCGTCCAAGCGCGCGCACGGCGTACACGAGCGCGCAGCTGGTAGAGCTGGAGAAGGAG
TTCCACTTCAACCGCTACCTATGCCGGCCGCGCGGGTGGAGATGGCCAACCTGCTGAACCTCACCGAGC
GCCAGATCAAGATCTGGTTCCAGAACCGCCGATGAAGTACAAGAAAGACCAGAAGGGCAAAGGCATGCT
GACCTCGTCTGGGGGCCAGTCCCAAGTCGGAGCCCTGTGCTCCCGGTGCAGGAGGCTATCTGAATTCT
ATGCATTGCTGGTCAACAGTGTCCATATGAGCCCAGTACCCCTCCTTTTCCAAGCCTCCCAAG
GCGCTATGGGTTGCCTCCGGCCTCCTACCCTGCTCCCTGCCAGCTGCGCTCCCCACCTCCCCACACA
GAAACGCTACACAGCGGGGGTCAAGGCGAGGGGACCCCTGACTACGACCCGATGCTCAGGCCTG
CAGGGCAATGGCAGTATGGGACCCACACTTACAGGGAAGCCCGTCTTCGTAGGGGCGAGCTATGTGG
AGCCCATGAGCAACTCTGGGCCACTCTTTGGCCTAACTCACCTCCCCACACCACCTCGGCTGCCATGGA
CTACGGGGCACTGGGCCGCTGGGCAGCGGACACCACCATGGGCCGGGCTGGGAGCCACACCCACC
TACACGGACCTACTGCCACCATCCTTCTCAGGAAGAATTAGGAAGCGCCCAAGCTCACCCACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207059 representing NM_010452
 Red=Cloning site Green=Tags(s)

MQKATYYDSSAIYGGYPYQAANGFAYNASQQPYAPSAALGTDGVEYHRPACSLQSPASAGGHPKTHELSE
 ACLRTLSGPPSQPPGLGEPPLPPPPQAAPPAPQPPQPPQPPAPTAAAPPPSSVSPQANSNPTPAS
 TAKSPLLNSPTVGKQIFPWMKESRQNTKQKTSGSSSGESCAGDKSPPGQASSKRARTAYTSAQLVELEKE
 FHFNRYLCRPRRVEMANLLNLERQIKIWFQNRMRKYKKDQKKGKMLTSSGGQSPSRSPVPPGAGGYLNS
 MHSLVNSVPYEPQSPFFSKPPQAYGLPPASYPALPSCAPPPPPQKRYTAAGSGAGGTPDYDPHAHGL
 QGNGSYGTPHLQGSPVFGGSYVEPMSNSGPLFGLTHLPHHTTSAAMDYGGTGPLGSGHHHGPGGEPHPT
 YDLTAHHP SQGRIQEAPKLTHL

TRTRPLE - GFP Tag - V

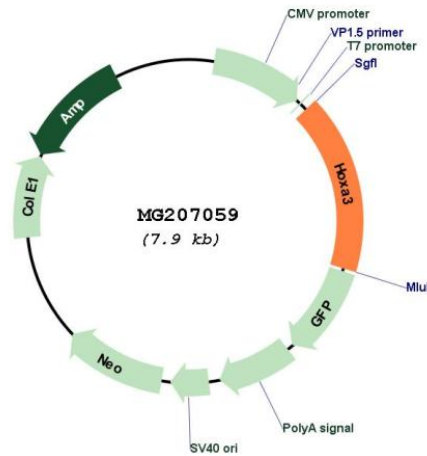
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_010452

ORF Size:	1329 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:	<ol style="list-style-type: none">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:	NM_010452.3 , NP_034582.1
RefSeq Size:	2534 bp
RefSeq ORF:	1332 bp
Locus ID:	15400
UniProt ID:	P02831
Cytogenetics:	6 25.4 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. Binds 5' to its own homeobox.[UniProtKB/Swiss-Prot Function]