

Product datasheet for **MG217602**

Hoxd4 (NM_010469) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxd4 (NM_010469) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Hoxd4
Synonyms: 6030436D05Rik; Hox-4.2; Hox-5.1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217602 representing NM_010469
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATGAGTTCGTATATGGTGAACCTAAAGTACGTGGACCCCAAGTTTCCTCCGTGCGAGGAATATT
 TGCAGGGTGGCTACCTAGGCGAGCAGGGAGCCGACTACTACGGCAGCGGTGCACAGGGCGCCGACTTCCA
 GCCCTCGGGGCTCTACCCACGGCCCGACTTCGGCGAGCAACCCTTCGGAGGCGGGGCCCGGGCCTGGC
 TCAGCGCTGCCCGGAGGGGTACGGACAGGAGCCGAGCGGCCCGGAAGTCATTACGGTCCCCGGGAG
 AGCCGTGCCAGCGCCCGCCTGCGCCCTGCCTGGCGCTCGGGCTGCAGCCAGCCACCGGCCCAA
 GCAGCCGCCCCCGGGACAGCACTCAAGCAGCCCGCTGTGGTCTACCCTTGGATGAAGAAGTGCACGTG
 AATTCGGTGAACCCCAACTACCCGCGGGGAGCCCAAGCGCTCCCGGACGGCCTACACCAGACAGCAAG
 TCCTAGAACTGGAAAAGGAATTTCAATTTAACAGGTATCTGACCAGGCGCCGTCGGATTGAAATCGCTCA
 CACCCTGTGTCTGTCTGAGCGCCAGATCAAGATCTGGTTCCAGAACCGGAGGATGAAGTGGAAAAAGAC
 CACAACTGCCAACCAAGGGCAGGTCTTCTCCTCATCTTCTGCTCCTCTCAGCTGCCCGGGCC
 AGCATTTGCAGCCAATGGCCAAGGACCACCATACGGACCTGACGACCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217602 representing NM_010469
Red=Cloning site Green=Tags(s)

MAMSSYMVNSKYVDPKFPPEEYLQGGYLGEQGADYYGSGAQGADFQPSGLYPRPDFGEQPFGGGGPGPG
 SALPARGHGQEPSPGSGHYGAPGEPAPPPAPLPGARACSQPTGPKQPPPGTALKQPAVVYPWMKKVHV
 NSVNPNTYTGGEPKRSRTAYTRQQVLELEKEFHFNRYLTRRRRIEIAHTLCLSERQIKIWFQNRMRMKWKKD
 HKLPNTKGRSSSSSSSCSSAAPGQHLQPMADHHTDLTTL

TRTRPLE - GFP Tag - V

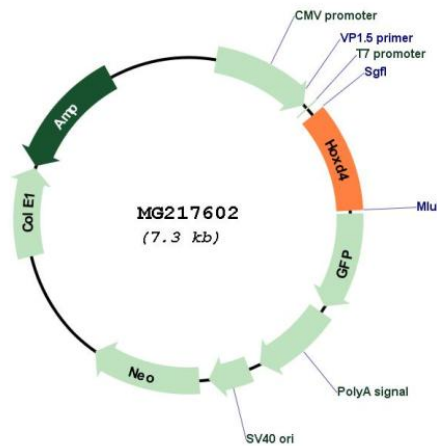
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010469

ORF Size: 750 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_010469.1
RefSeq Size:	2560 bp
RefSeq ORF:	753 bp
Locus ID:	15436
UniProt ID:	P10628
Cytogenetics:	2 44.13 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]