

Product datasheet for **RN214214**

Hoxa1 (NM_013075) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hoxa1 (NM_013075) Rat Untagged Clone
Tag: Tag Free
Symbol: Hoxa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN214214 representing NM_013075
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACAATGCAAGAATGAACCTCTTTCTGGAATACCCCATCCTTGGCAGTGGCGATTCTGGGACCTGCT
CGGCGGAGTTTACTCCTCTGACCATGGAATTACAACCTTCCAATCCTGCGCGGTCACTGCCAACAGCTG
CGGCGGCGACGACCGCTTCTAGGGGGCAGGGGGTGCAGATCACCTCGCCCCATCACCACCACCAC
CATCACCATCCCCAGCCGCTACTTACCAGACTTCTGGGAACCTTGGGGTTTCTTATCCCACTCGAGTT
GTGGTCCAAGCTATGGCGCGCAGAACTTCACTGCGCCTTATGGCCCTATGGATTAATCAGGAAGCAGA
CGTAAGTGGTGGTACCCCCGTGCGCTCCCGTGTACTCTGGAAACCTCTCGTCTCCCATGGTCCAG
CATCACCACCACCAGGGTTATGCTGGGGGCACAGTGGGCTCGCCCCAGTACATTCACTCATATG
GACAAGAGCACCAGAGTCTGGCCCTGGCCACGTATAATAACTCCTTATCCCTCTCCAGCCAGCCACCA
AGAAGCCTGTCGTTCCCCTGCTCAGAGACGTCTTCCAGCGCAGACCTTGGACTGGATGAAAGTTAA
AGAAACCTCCAAAACAGGAAAGTTGGAGAGTATGGCTACGTGGTCAACCAACGCAGTGGCAGCA
ACTTACCACCAAGCAGCTCACAGAGCTGGAGAAGGAGTTCCACTCAACAAGTACCTAACAGAGCCCG
CAGGGTGGAGATAGCCGGTCCCTGCAACTCAATGAGACCAGGTGAAGATCTGGTTCCAGAATCGCCGC
ATGAAGCAGAAGAAGCGGAGAAAGAGGGGCTCTTGCCATTTACCCCGCACCCCTCTGGAAGCGATG
AGAAAACCTGAAGAATCATCTGAGAAATCCAGCTCCTCGCCAGCGCCCTTCTCCCGCATCATCTACCT
AGATACTCTGACTACCTCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013075
Insert Size: 1005 bp



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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).
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_013075.2 , NP_037207.2
RefSeq Size:	1333 bp
RefSeq ORF:	1005 bp
Locus ID:	103690132
Cytogenetics:	4q24
Gene Summary:	<p>sequence specific transcription factor, may regulate positional development along the anterior-posterior axis, may be important for the maintenance and/or development of hindbrain segments [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>