

Product datasheet for **MR226373**

Hoxc13 (NM_010464) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hoxc13 (NM_010464) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hoxc13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226373 representing NM_010464 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGACGACTTCGCTGCTCCTGCACCCGCGCTGGCCGGAGAGCCTTATGTACGTCTATGAGGACAGCGCGGCGGAGAGCGGCAGCGCGCGCGGGGAGGCGCGCGCGGGCGCGGGGGTGGCTGCAGCGGAGCAGCCCCGGCAAAGCCCCGAGCATGGACGGGTGGGCGGTAGCTGCCCGCCAGCCACTGCCCGACCTGCTCCCGCACCTGTATTGGCCCCCGCGGCTCCTCTGGGTGCCCTCAGGGCGCGTCTACACGGACATCCCAGCCCCGGAGGCGCGCCAATGCGCCCCACCCCGCGCCCCCACCTCGTCCAGCGCCACCCTGGCTATGGTTACCCATTTGGGGCAGCTACTACGGCTGCCCGCTGTCGACAACGTGAACCTGCAGCAGAACGCTTGCGCCTACCATCCGGGGACAAGTACCAGAGCCGTCCGGCGCGCTGCCTGGTACGACCTGTCTCCAGGGCTAAGGAGTTCGCCTTCTACCCAGCTTCGCCAGCTCCTACCAGGCAATGCCCGCTACCTGGACGTGTCGGTGGTGCCTGGGATCAGCGGGCACCCGGAGCCGCGTCACGACGCGCTCATCCCTGTTGAAAGGCTACCAGCACTGGGCTCTTTCCAATGGCTGGGACAGTCAGGTGTACTGCTCCAAGGAGCAGTCGCAGTCCGCCACCTCTGGAAGTCTCCCTCCAGACGTGGTTCTCTACAGCCCCAAGTGAGCAGCTACCGGCGCGGGCGAAGAAGCGCGTGCCTATACCAAGGTGCAGCTGAAGGAGCTAGAGAAGGAGTACGCAGCCAGCAAATTCATCACCAAAGAGAAGCGCGGCGCATCTCAGCCACCACGAACCTCTCGGAGCGTCAGGTACCACTCTGGTCCAGAATCGACGCGTAAAGAGAAAAAGGTGGTCAGCAAATCTAAAGCGCCTCATCTCCACTCACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226373 representing NM_010464
 Red=Cloning site Green=Tags(s)

MTTSLLLHPRWPESLMYVYEDSAAESGSGGGGGGGAGGAGGGCSGASPGKAPSM DGLGGSCPASHCRDL
 LPHPVLARPPAPLGAPQGA VYTIPAPEAARQCAPPAPTSSSATLGYGYPFGGSYGCRLSHNVNLQQ
 KPCAYHPGDKYPEPSGALPGDDLSSRAKEFAFYPSFASSYQAMPGYLDVSVVPGISGHPEPRHDALIPVE
 GYQHWALSNGWDSQVYCSKEQSQSAHLWKSPPFDVVPLQPEVSSYRRGRKKRVPYTKVQLKELEKEYAAS
 KFITKEKRRRISATTNLSERQVTIWFQNRVRVKEKKVVSKSKAPHLHST

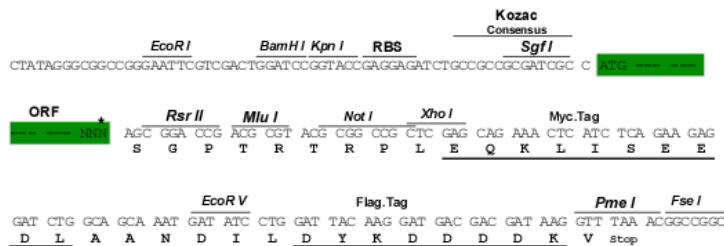
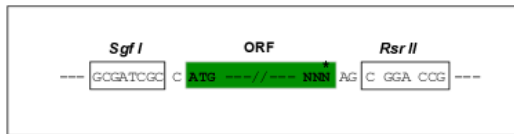
SGP TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2177_d10.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

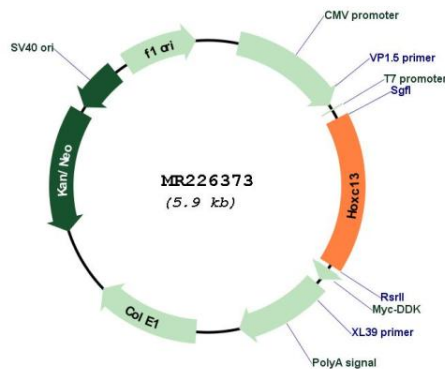
ACCN: NM_010464

ORF Size: 984 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_010464.2</u> , <u>NP_034594.1</u>
RefSeq Size:	2433 bp
RefSeq ORF:	987 bp
Locus ID:	15422
UniProt ID:	<u>P50207</u>
Cytogenetics:	15 57.99 cM
MW:	35.6 kDa
Gene Summary:	Transcription factor which plays a role in hair follicle differentiation. Regulates FOXQ1 expression and that of other hair-specific genes.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR226373