

Product datasheet for **RR204678**

Lhx4 (NM_001108348) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lhx4 (NM_001108348) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Lhx4
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR204678 representing NM_001108348
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCTAGCTGACAGGTGCTTCTCCAGGGCCGGGAGTGTCTACTGCAAAGAAGATTTTTTCAAGCGCT
 TTGGCACAAAATGCACAGCGTGCCAGCAGGGCATCCCCCGACCCAGGTGGTTCGCAAGGCTCAGGATT
 CGTCTATCACCTGCACTGCTTTGCCTGCATCATCTGCAACCGGCAGCTGGCCACGGGGACGAGTTCTAC
 CTTATGGAGGATGGCCGGCTAGTGTGCAAGGAAGACTACGAGACAGCCAAGCAGAACGATGACTCGGAGG
 CTGGGGCGAAGCGCCGGGACCACCATCACGGCAAAGCAGCTGGAGACACTAAAGAATGCATACAAGAA
 CTCCCCAAAGCCTGCCCGCATGTGAGGGAGCAGCTCTCCTCCGAGACAGGCCTGGACATGAGAGTGGTA
 CAGGTTTGGTTTCAGAACAGAAGGGCCAAGGAGAAAAGGCTGAAGAAGGACGCGGGCGGCATCGTTGGG
 GGCAGTTCTACAAGAGCGTCAAGAGGAGCCGGGAGGCAGCAAGCAGGAGAAGGAGAGCTCAGCAGAGGA
 CTGTGGGGTTAGTGACAGTGAGCTGAGCTTCCGAGAAGATCAAATACTCTCAGAGCTTGGCCACCCAAT
 AGGATTTATGGCAACGTGGGGGACGTTACAGGCGGACAGTTAATGAATGGGAGCTTCTCCATGGATGGGA
 CAGGACAATCCTATCAGGACTTGAGGGATGGGAGCCCCTATGGAATCCCCAGTCTCCATCTCCATATC
 GTCCTTGCCATCCCATGCTCCTTTGCTCAGTGGGCTGGATTACACAGTGGACAGTAATCTGGGCGTCATT
 GCCCATCCAGGGCAGGGAGTAAGCCAGACACTGAGAGCCATGGCTGGGGGGCCACCTCTGACCTCTCGA
 CAGGAAGCAGTGTAGGCTACCCTGATTTTCCAAGTAGCCAGCCTCCTGGCTTGATGAAATGGACCATCC
 TCCTTTT

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



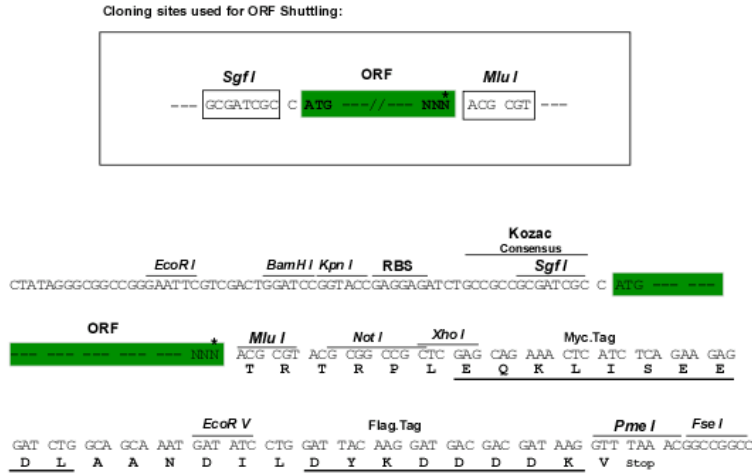
Protein Sequence: >RR204678 representing NM_001108348
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MQLADRCFSRAGSVYCKEDFFKRFGTKCTACQQGIPPTQVVRKAQDFVYHLHCFACIICNRQLATGDEFY
 LMEDGRLVCKEDYETAKQNDSEAGAKRPRTTITAKQLETLKNAKNSPKPARHVREQLSSETGLDMRVV
 QVWFQNRRAKEKRLKKDAGRHRWGQFYKSVKRSRGGSKQEKESSAEDCGVSDSEL SFREDQILSELGHTN
 RIYGNVGDVTTGGQLMNGSF SMDGTGQSYQDLRDGSPYGIPOQSPSSISLPSHAPLLSGLDYTVDSNLGVI
 AHPGQGVSQTLRAMAGGPTS DLSTGSSVGYPDFPTSPASWLDEMDHPPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

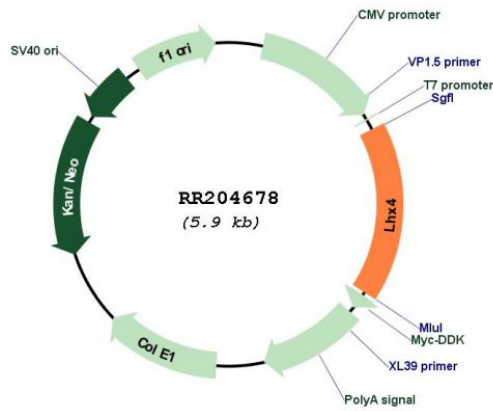
Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001108348

ORF Size:	987 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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_001108348.1 , NP_001101818.1
RefSeq Size:	1790 bp
RefSeq ORF:	990 bp
Locus ID:	360858
Cytogenetics:	13q21
MW:	36.4 kDa