

Product datasheet for **RN206021**

Lao1 (NM_001106682) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lao1 (NM_001106682) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lao1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206021 representing NM_001106682
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGGC**

ATGAGTTTCAGGACCATGGCCAAGAAGAGTGAATCCTTATTTGGGGGATCCTGCTGTCTATCTCCAGCT
 GCCTTGCCCTCCTTTGAGGACATTTCAAGTGTTCCAGGATCCTGATTATGAGGCCTTGCTTCTCATAGC
 CCAGAATGGGCTCCATACCTCCCATCGTCCAAGCGTATAGTGGTAGTGGGAGCTGGCATGGCGGGACTA
 GTGGCAGCTAAGCTCCTACAGGATGCTGGTCATGAGGTAACAATCTTGGAGGCCAGCAACCACATTGGAG
 GTCGGGTGGTCACACTCAGAAACAAGGAGGAAGGCTGGCACTTTGAAGTTGGGCAATGCGAATCCAGA
 AAGCCACAGGATAATCCACACCTATATCCAGAAGTTTGGCCTGAAGCTGAATAATTTACCCAGCATGAC
 AACACACCTGGTACCTACTCAGAGGACACCGTTACCGTGCCTCGGAAGTCAAGGCTAACCCAGAGATCC
 TGGGCTACCCACTGAGGCCCTCAGAGAAGAACAACTGCTGAAGACCTGTTCTACCAAGCCATCACTAA
 GGTCAAAGCATCCAAGTGCAGCCAGTTGCTGTCCCTTTATGACTCTTACTCCACCAAAGCTTACCTCCTG
 AAGGAAGGGATGCTGAGCAGAGGGGCCGTCGAGATGATCGGGGATATGATGAATGAGAATGCTGGGTCT
 ATAGGTCCTCCTGGAGTCCCTGAGGATTGCAAACATCTTACCAAAAAATGACCAATTTACAGAGATCAC
 CGGTGGCTTTGACCAACTCCCGAATAGCCTCAATGACAGCCTGAAGCCTGGTACAATCCATCTGGGGTCC
 AAAGTAGAAAGAGTGGTGGGAAATGAGTCTAAGGTTGAGGTTTGTACCGCACAGATGGGCCACCTCTG
 CACTGTACAATCTCACTGCGGACTATGTCATCATCTCTGCCTCAGCCAAGGCCACACGCCTCATCGCCTT
 CCAGCCACCCCTATCCCGAAAAAATACGTGCCCTGCGCTCTGTTTATTACAACAGTGCCACCAAGGTG
 ATTTTCGTGTGCAACGAACGCTTCTGGGAAAAGGATGGCATCCACGGTGGCTACTCCATCACAGACCGAC
 CCTCTCGCTTCATTTACTATCCAGCTACAGCCGGCCAAGCAGCAAGGGAATCCTGCTGGCCTCCTTCAC
 TATGGATGATGATTCTTTCTTTTACCGCCTGAAGCCCAACCAGGTGGTGGATATTATCCTGGATGAC
 CTTGCCGCACTGCACCTCATACCAAGGAGGAGCTAAAGCGCATGTGCCCAAAGTCAAGAGTCAAGCACT
 GGTCTCTAGACCCCTTACCATTGGCTCCTATGCTGAATTCACACCCTACCAATTTTGGACGATTTAA
 GCAGCTCTCCAGACAGAGGGCCGCATCTACTTGGTGGGAGCATACCGCCTGCCACATGCCTGGATA
 GAAACCGCATCAAACTGGCATCCGGGCTGCCAAAACATCCAGGACACGGTGGACAAGGAGGCCACTC
 AGGACAGGTGGCTCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106682

Insert Size: 1560 bp

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:

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_001106682.1, NP_001100152.1

RefSeq Size: 1896 bp

RefSeq ORF: 1560 bp

Locus ID: 298483

Cytogenetics: 5q36