

Product datasheet for **MR223274**

Oxa1l (NM_026936) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxa1l (NM_026936) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxa1l
Synonyms:	1810020M02Rik; AI894287
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223274 representing NM_026936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAGGAATTTAGTGTGCGGTCGCTGGCAGCTTCTGCGACTCCTACGACCCAGCGTTCGTACCATA
 GCGTCGCAGTGTCCCTGAGACCGCTGGCCGCCGAGCTCCTCGCAGCCCGCGGGGTAAACGGCGGCCACC
 CTGTGCTCTTCTCGCCGCTTCACTCCTCGCTGCATCAGTACATCTGCCACCCTCTTGCAGAAGCCAG
 GTCAGGACCCCTGTTATTCCTGCTACCTCTATCCCTGCTGCAGTACCAGAGGTAGCTTCTGGAGGAG
 CTGCAGATGTAGTCCAGTGTGCTACCGAACCGAGCTTACAGAAGTGGGGCTTGGTCTTACACCCCGGT
 GGGTCTCATCCAGAACCTCTTGAATATATACATGTGACCTGGGCTGCCGTGGTGGGAGCCATTGCC
 ACGTGTACTGTCCTTGCCGATGCCTCGTTTTTCTCCTCATTGTGAAGGGCCAGCGAGAAGCAGCAAGA
 TCCACAACCACATGCCAGAGATGCAGAAGTTTTCCGCTCGAATCAGAGAGCCAAGTTGGCCGGAGACCA
 GGCTGAGTTTTACAAGGCCACCATAGAGATGACACGCTATCAGAAAAAGCATGATATTAACCTTTGAGA
 CGCTCATCTACTCTCACTCAGGCCCCCGTCTTCATCTCCTTTATTGCCTTGAGAGAGATGGCCA
 ACCTGCCTGTGCCAGCCTCCAGACAGGTGGGCTCTGGTGGTTCCAAGATCTCACCGTGTCTGATCCCAT
 CTACGTCTTGCCACTGGTAGTCACTGCCACAATGTGGTGTGCCTTGAGCTAGGTGCTGAGACAGGTGTT
 CAGAGCAATGACCTTCAGTTCATGAGGAACATTATCAGGGTGTGCCCTGGTGGTCTTGCTGTGACCA
 TCCACTTCCCCTCGGCAGTGTTCATGTACTGGCTGTCTCCAACGTGTTCTCCCTGTGCCAAGTAGCCTG
 CCTCCGGATTCCAGCTGTGCGCACAGTGTGAAGATCCCCAGCGAGTCGTACATGACCCTGACAAATTG
 CCTCTAGGGAAGGCTTCTTGAAGAGCTTCAAAAAGGCTGGAAGAACGCTGAAATTGCACAGCAGCTCC
 GAGAGCGGGAGCAGCAATGCAGAAACACTTGGACCTGGCTGCCAGGGTCCCTTACGACAGACTTTTAC
 GCACAACCCTCTGCTGCAGCATGATCCAAGTCAACCCCGAAAGCTCCCAACAGCAACAACAGCAGCATC
 AAAGCAAACGCAAGAAGCCTTGCAAGACACTCGGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223274 representing NM_026936
 Red=Cloning site Green=Tags(s)

MARNLVCGRWQLRLRLPQRSYHSVAVSLRPLAAELLAARRGNRPPCALLAVFTPRCISTSATLFAEQ
 VQAPPVIPATSIPAAVPEVASGGAADVVQCATEPSFTELGLGSYTPVGLIQNLLEYIHVDLGLPWWGAI
 TCTVLARCLVFPLIVKGQREAAKIHNMPEMQFSARIREAKLAGDQAEFYKATIEMTRYQKKHDIKLLR
 PLILPLTQAPVVISFFIALREMANLPVPSLQTGGLWWFQDLTVSDPIYVLPVVTATMWCVLELGAETGV
 QSNLQFMRNIIRVMPLVVLPTIHFPSAVFMYWLSNVFSLCQVACLRIPAVRTVLKIPQRVVHDPDKL
 PPREGFLKSFKKGWKNAEIAQQLREREQRMQKHLDLAARGPLRQTFTHNPLLQHDP SHPPKAPNSNNSI
 KANAKKPWQDTLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9030_b10.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_026936

ORF Size: 1299 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:

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_026936.3](#), [NP_081212.1](#)
RefSeq Size: 2534 bp

RefSeq ORF: 1302 bp

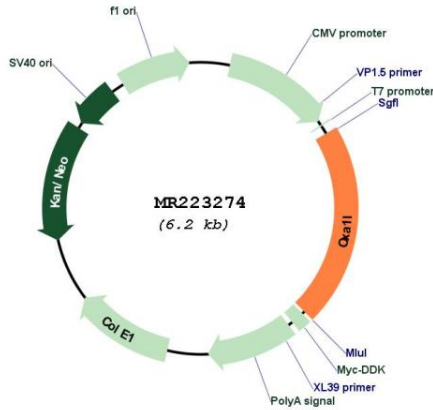
Locus ID: 69089

UniProt ID: [Q8BGA9](#)
Cytogenetics: 14 C2

MW: 48.7 kDa

Gene Summary: Required for the insertion of integral membrane proteins into the mitochondrial inner membrane. Essential for the activity and assembly of cytochrome oxidase. Required for the correct biogenesis of ATP synthase and complex I in mitochondria (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223274