

Product datasheet for **MR204409**

Oxnad1 (NM_145460) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxnad1 (NM_145460) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oxnad1
Synonyms:	2410002F01Rik; AW492292; BC019806
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204409 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACGTTGCCTTGATTCTGGCTTGTCTCGAGGATCTGTGGGAGCCGCTGCACTCAGGCTGCTT
 CGTGGGGACTGAAGGCCAGCACTTTGCGTCACCTTACCCTAGCCAGCATAATTAATCCAGAAGGAAAAC
 GGACCACCTAGAGAGAACCGCCAGTGTCTCCGCCGGGAGGTCATGGCTGCAGCTAAGGTGTGTGAAATC
 ACTCAGAGTCTCCATCAGTGAAGAGCCTCCGTTTGCTTGTGCTGATAAAGACTTTTCTTTAAGGCTG
 GCCAGTGGGTTGATTTCTCATCCAGGAGTCTCAGTGGTTGGTGGGTTTCAATTTGCTCCAGTCCCCA
 ACGGCTAGAACGAGACAGAATAATAGAAGTGGCGGTGAAATATGCAGACCACCCTCTGCTGTCTGGGTT
 CACAATAAGTGCACACTTGACTCTGAAGTGGCTCTCAGAGTAGGTGGAGAGTTCTTCTTTGACCCTCAGC
 CCACAGATGCCCCCTCGAAACCTCATCTTGATTGCTGGAGGGTCTGGGATTAACCCCTGCTTTCTATCCT
 GCGCCACTCGGCAGATCTCCACCGGGACCACGCAGACAAAGGAAGTGGCTATGAGATAGGGACAGTAAAA
 CTGTTCTACAGTGCAAAGAACACCAGCGAGCTCCTGTTTAAGAAAGATATCCTCGACTTAGTACATGAAT
 TCCCTGAGAAGATTTCTGCAGTTTTATGTTACAAAACAGACAGCACAAATCAGTGTGGAAGTGAAGCC
 TTATGTACAGACGGAAGAATAACGGAGAAGGAGATAAGAGATCATCTCAGCAGAGACTCTGTTCTAT
 GTCTGTGGACCACCTCCAATGACAGACTTTTCTCTAAGCACCTGGAAAGCTGCCACGTTCCCAAGGAAC
 ACATCTGCTTTGAGAAGTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR204409 protein sequence
 Red=Cloning site Green=Tags(s)

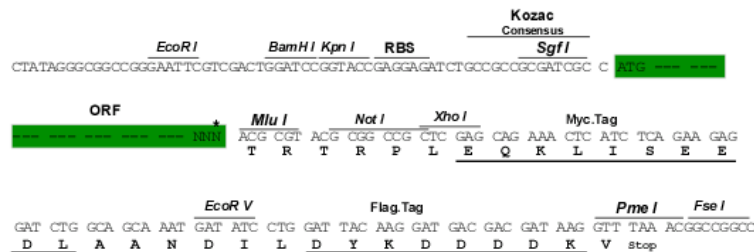
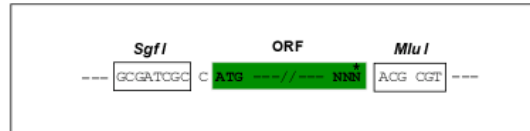
MAHVALIPGLSRGSVGAVCTQAASWGLKASTLRHLTLASIIKSRKTDHLERTASVLRREVMAAAKVCEI
 THESPSVKSLRLLVADKDFSFKAGQWVDFIPGVSVVGGFSICSSPQRLERDRIELAVKYADHPPAVWV
 HNKCTLDSEVALRVGGEFFDPQPTDAPRNLILIAGGVGINPLLSILRHSADLHRDHADKSGYEIGTVK
 LFYSAKNTSELLFKKDILDLVHEFPEKISCSFHVTKQTAQISVELKPYVTDGRITEKEIRDHISAETLFY
 VCGPPPMTDFFSKHLESCHVPKEHICFEKWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_145460

ORF Size: 933 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145460.1](#), [NP_663435.1](#)

RefSeq Size: 2062 bp

RefSeq ORF: 936 bp

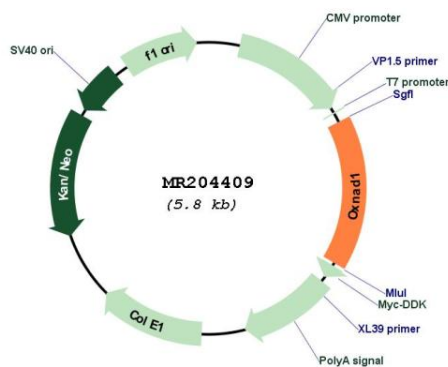
Locus ID: 218885

UniProt ID: [Q8VE38](#)

Cytogenetics: 14 B

MW: 34.7 kDa

Product images:



Circular map for MR204409