

Product datasheet for **MG206465**

Oxa1l (BC027191) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oxa1l (BC027191) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Oxa1l
Synonyms:	1810020M02Rik; A1894287
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206465 representing BC027191 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGGAATTTAGTGTGCGGTGCGTGGCAGCTTCTGCGACTCCTACGACTCCAGCGTTCGTACCATA
GCGTCGCAGTGTCCCTGAGACCGCTGGCCGCCGAGCTCCTCGCAGCCCGCCGGAGTAACGGGCGGCCACC
CTATGCTCTTCTCGCCGTCTTCACTCCTCGCTGCATCAGTACATCTGCCACCCTCTTTCGAGAAGCCAG
GTCCAGGCACCCCTGTGTCTGCTACCTCTATCCCTGCTGCAGTACCAGAGGTAGCTTCTGGAGGAG
CTGCAGATGTAGTCCAGTGTGCTACCGAACTGAGCTTACAGAACTGGGCTGCCGTGGTGGGAGCCAT
TGCCACGTGTACTGTCTTGCCCGATGCCTCGTTTTCTCTCATTGTGAAGGGCCAGCGAGAAGCAGCC
AAGATCCACAACCACATGCCAGAGATGCAGAAATTTCCGCTCGAATCAGAGAGGCCAAGTTGGCCGGAG
ACCAGGCTGAGTTTTACAAGGCCACCATAGAGATGACACGCTATCAGAAAAAGCATGATATTAACCTCTT
GAGACCGCTCATCCTACCTCTCACTCAGGCCCCCGTCTTCATCTCCTTCTTTATTGCCTTGAGAGAGATG
GCCAACCTGCCTGTGCCAGCCTCCAGACAGGTGGGCTCTGGTGGTCCAAGATCTACCGTGTCTGATC
CCATCTACGTCTTGCCACTGGTAGTCACTGCCACAATGTGGTGTGTCCTTGAGCTAGGTGCTGAGACAGG
TGTTCCAGACCAATGACCTTCAGTTCATGAGGAACATTATCAGGGTATGCCCTGGTGGTCTTGCCTGTG
ACCATCCAATCCCCTCGGCAGTGTTCATGACTGGCTGTCCCAACGTGTTCTCCCTGTGCCAAGTATG
CCTGCCCTCCGGATTCAGCTGTGCGCACAGTGTGAAGATCCCCCAGCGAGTCGTACATGACCCTGACAA
ATTGCCTCCTAGGGAAGGCTTCTGAAGAGCTTCAAAAAAGGCTGGAAGAACGCTGAAATTGCACAGCAG
CTCCGAGAGCGGGAGCAGCGAATGCAGAAACACTTGGACCTGGCTGCCAGGGTCCCTTACGACAGACTT
TTACACACAACCCTCTGCTGCAGCATGATCCAAGTCAACCCCGAAAGCTCCCAACAGCAACAACAGCAG
CATCAAAGCAAACGAAAGAAGCCTTGGCAAGACACACTCGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206465 representing BC027191
 Red=Cloning site Green=Tags(s)

MARNLVCGRWQLRLRLQRSYHSVAVSLRPLAAELLAARRSNGRPPYALLAVFTPRCISTSATLFAEQ
 VQAPPVVPATSIIPAAVPEVASGGAADVQCATELSFTELGLPWWGAIATCTVLARCLVFPLIVKGQREAA
 KIHNMPEMQKFSARIREAKLAGDQAEFYKATIEMTRYQKKHDIKLLRPLILPLTQAPVIFSFIALREM
 ANLPVPSLQTGGLWWFQDLTVSDPIYVLPVVTATMWCVLELGAETGVQSNDLQFMRNIIRVMPLVVLV
 TIHFPSAVFMYWLSNVFSLCQVACLRIPAVRTVLKIPQRVVHDPDKLPPREGFLKSFKKGWKNAEIAQQ
 LREREQRMQKHLDLAARGPLRQFTFHNPLLQHDPSHPPKAPNSNNSSIKANAKKPWQDTLG

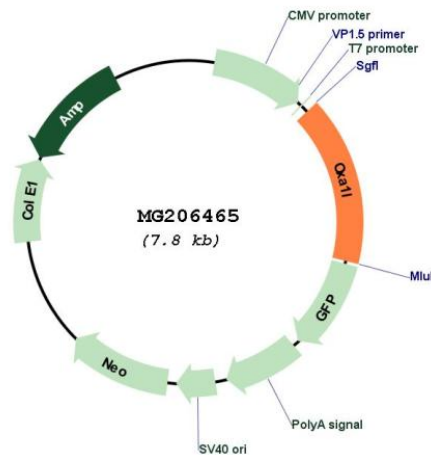
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC027191

ORF Size:	1235 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:	<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:	BC027191 , AAH27191
RefSeq Size:	1478 bp
RefSeq ORF:	1235 bp
Locus ID:	69089
Cytogenetics:	14 C2
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]