

Product datasheet for **MG204496**

Phox2b (NM_008888) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phox2b (NM_008888) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phox2b
Synonyms:	Dilp1; NBPhox; Pmx2b; Px2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204496 representing NM_008888 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATAAAATGGAATATTCTTACCTCAATTCCTCTGCCTACGAGTCCTGTATGGCCGGGATGGATACCT
CCAGCTTGGCTTCAGCATATGCAGACTTCAGTTCCTGCAGCCAGGCCAGTGGCTTCCAGTATAACCCGAT
AAGGACCACTTTTGGGGCCACGTCGGTTCGCCGTCCTCACGCCGGGATCCTGCAGCCTGGGCACCCTC
AGGGACCACCAGAGCAGTCCGTACGCCGAGTTCATACAACTTTCACCGACCAGGGCGCCTCAACG
AGAAACGCAAGCAGCGGCATCCGCACCACCTTCACAAGCGCGCAGCTCAAAGAGTTGGAGAGGGTCTT
CGCTGAGACGCACTACCTGACATCTACACCAGGGAAGAGCTAGCACTGAAGATCGACCTCACCGAGGCG
AGAGTCCAGGTGTGGTCCAGAACC GCCGGCTAAGTTTCGCAAGCAGGAGCGCGCAGCCGCCGCTGCTG
CCGCCGCCGCAAAAACGGCTCCTCCGGGAAGAAGTCTGACTCCTCCCGGACGACGAGAGCAAAGAGGC
CAAGAGCACTGATCCCGACAGCACTGGGGGCCCGGACCAACCCCAACCCGACCCAGCTGTGGGGCA
AATGGCGCGGTGGCGGAGGGCCAGCCAGCCGAGCTCCGGGGCGCGGGCCCGGGGGCCCGGGAG
GCGAACCCGCAAGGGCGGTGCGGCTGCGGCTGCTGCTGCAGCTGCAGCGGCTGCAGCGCGCTGCGGC
TGCGCGCGGGAGGCTGGCTGCGGCCGAGGCCCGGACAAGGCTGGGCTCCTGGCCCGGGCCCATC
ACCTCCATCCAGATTCTTTGGGGGCCCTTCGCCAGCGTCTTATCTTCGCTCCAAAGACCAACGGTG
CCAAAGCCGCCTTAGTGAAGAGCAGTATGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204496 representing NM_008888
 Red=Cloning site Green=Tags(s)

MYKMEYSYLNSSAYESCMAGMDTSSLASAYADFSSCSQASGFQYNPIRTTFGATSGCPSLTPGSCSLGTL
 RDHQSSPYAAVPYKLFTHDGLNEKRKQRRIRTTFTSAQLKELERVFAETHYPDIYTREELALKIDLTEA
 RVQVWFQNRRAKFRKQERAAAAAAAAAANGSSGKKSDSSRDDESKEAKSTDPDSTGGPGPNPNTPCGA
 NGGGGGGPSPAGAPGAAGPGGPGGEPGKGGAAAAAAAAAAAAAAAAAAGGLAAAGGPGQGWAPGPGPI
 TSIPDSLGGPFASVLSLQRPNGAKAALVKSSMF

TRTRPLE - GFP Tag - V

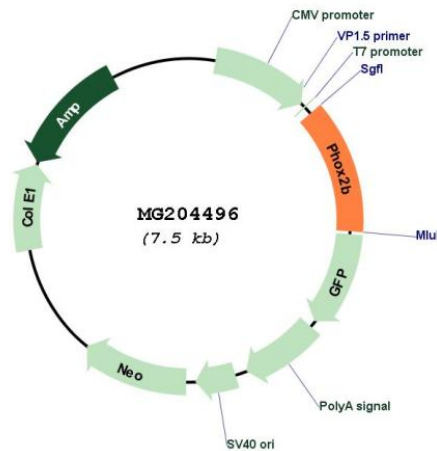
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_008888

ORF Size: 942 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:	NM_008888.3
RefSeq Size:	2857 bp
RefSeq ORF:	945 bp
Locus ID:	18935
UniProt ID:	O35690
Cytogenetics:	5 35.95 cM