

Product datasheet for MC208153

Phox2a (NM_008887) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phox2a (NM_008887) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phox2a
Synonyms: Arix; Phox2; Pmx2; Pmx2a; Px2a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208153 representing NM_008887
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTACTCCTACCTCAATTCGTACGATTCGTGCGTGGCGGCCATGGAGGCGTCCGCCTACGGTGACT
 TCGGCGCCTGCAGCCAGCCTGGAGGCTTCCAATACAGTCCCTGCGGCCTGCCTTCCCGCCGCTGGGCC
 ACCTTGCCCGCGCTCGGCTCCTCCAATGTGCGCTTGGCGCCCTACGCGACCACCAGCCCGCACCTAC
 TCGGCAGTTCCTACAAGTTCCTCCGGAGCCGTCCGGCCTGCATGAGAAGCGCAAGCAGCGGCCATCC
 GCACAACGTTACGAGTGCTCAGCTCAAGGAGTTGGAGCGGTCTCGCCGAGACCCACTACCCCGACAT
 TTACACTCGCGAGGAAGTGGCGCTCAAGATCGACCTCACTGAGGCTCGCGTGCAGGTCTGGTTCCAGAAC
 CGCCGGGCCAAGTTCGCAAAACAGGAGCGCGGCCAGCGCCAAAGGCGCGGGGAGCGACGGGGCCCA
 AAAAGGGCGAGGCGGCTTCTCGTTCGGAGGACGACGACTCCAAGGAGTCCACGTGCAGCCCCACGCCGA
 CAGCACCGCTCGCTGCCGCCGCCCTGCACCCAGCCTGGCCAGCCCGCTCTGAGCCCCAGCCCTCTG
 CCCGCCGCTGGGCTCCGGGCCGGGCCAGCCGCTCAAGGGAGCGTTGTGGGAGGGGTGGCGGGCG
 GTGGAGGTGGCGCCCGGCACGGGCGCAGCGGAGCTGCTTAAGGCTGGCAGCCGGCGGAACCCGGGCC
 AGGTCCTTCTTGAGTTCTGTCTCTTTACCGGAAGCCCGCCCGCCCTGAAGACAAACCTCTTC
 TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_008887
Insert Size: 843 bp



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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:	<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_008887.2 , NP_032913.1
RefSeq Size:	1609 bp
RefSeq ORF:	843 bp
Locus ID:	11859
UniProt ID:	Q62066
Cytogenetics:	7 54.66 cM
Gene Summary:	May be involved in regulating the specificity of expression of the catecholamine biosynthetic genes. Acts as a transcription activator/factor. Could maintain the noradrenergic phenotype (By similarity).[UniProtKB/Swiss-Prot Function]