

Product datasheet for RN203444

Phox2a (NM_053869) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phox2a (NM_053869) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phox2a
Synonyms:	Arix
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN203444 representing NM_053869 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACTACTCCTACCTCAATTCGTACGATTCGTGCGTGGCGGCCATGGAGGCGTCCGCCTACGGTGACT
TCGGCGCCTGCAGCCAGCCTGGAGGCTTCCAATACAGTCCCCTGCGGCCTGCCTTTCCCGCCGGGGCC
ACCGTGCCCGCGCTCGGCTCCTCCAATGTGCGCTTGGCGCCCTACGCGACCACCAACCCGCACCCTAC
TCGGCAGTTCCTACAAGTTCCTCCGGAGCCGTCCGGCCTGCATGAGAAGCGCAAGCAGCGCGCATCC
GCACCAGTTCAGGAGTCTCAGCTCAAGGAGTTGGAGCGGTCTCGCCGAGACCCACTACCCGGACAT
TTACACTCGTGAGGAACGGCGCTCAAGATCGACCTCACTGAGGCTCGCGTGCAGGTCTGGTTCCAGAAC
CGCCGGGCTAAGTTCGCAAAACAGGAGCGCGGCCACGGCCAAAGGCGCGGGGAGCGACGGGGCCCA
AAAAGGGCGAGGCGGCTTCTCGTTCGGAGGACGACGACTCCAAGGAGTCCACGTGCAGCCACACGCCGA
CAGCACCGCTCGCTGCCGCCGCCGCCGCCACCCAGCCTGGCCAGCCCGCTCCTGAGCCCCAGCCCT
CTGCCCGCCGCTGGGCTCCGGGCCGGGCCAGCCACTCAAAGGCGGTTGTGGCAGGGGTGGCGG
GCGGTGGGGTGGCGGGCCCGCACGGGCGCAGAGCTGCTTAAGGCTGGCAGCCGGCGGAACCCGG
ACCAGTCCCTTCTCTGGAGTTCGTCTCCTTTCACCGGAAGCCCGTCCCGCCTGAAGACAAACCTC
TTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_053869
Insert Size:	846 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_053869.1 , NP_446321.1
RefSeq Size:	1608 bp
RefSeq ORF:	846 bp
Locus ID:	116648
UniProt ID:	Q62782
Cytogenetics:	1q32
Gene Summary:	regulates transcription of the dopamine beta-hydroxylase and tyrosine hydroxylase genes, may play a role in neurotransmitter metabolism [RGD, Feb 2006]