

## Product datasheet for **RC200441L4V**

### PHOX2B (NM\_003924) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PHOX2B (NM_003924) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PHOX2B
Synonyms:	CCHS; NBLST2; NBPhox; PMX2B
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003924
ORF Size:	942 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200441).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_003924.2</a>
RefSeq Size:	3033 bp
RefSeq ORF:	945 bp
Locus ID:	8929
UniProt ID:	<a href="#">Q99453</a>
Cytogenetics:	4p13
MW:	31.6 kDa



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**Gene Summary:**

The DNA-associated protein encoded by this gene is a member of the paired family of homeobox proteins localized to the nucleus. The protein functions as a transcription factor involved in the development of several major noradrenergic neuron populations and the determination of neurotransmitter phenotype. The gene product is linked to enhancement of second messenger-mediated activation of the dopamine beta-hydroxylase, c-fos promoters and several enhancers, including cyclic amp-response element and serum-response element. Expansion of a 20 amino acid polyalanine tract in this protein by 5-13 aa has been associated with congenital central hypoventilation syndrome. [provided by RefSeq, Jul 2016]