



# Recombinant Human Paired mesoderm homeobox protein 2B (PHOX2B)

<b>Product Code</b>	CSB-YP859099HU
<b>Abbreviation</b>	PHOX2B
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q99453
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MYKMEYSYLN SSAYESCMAG MDTSSLASAY ADFSSCSQAS GFQYNPIRTT FGATSGCPSL TPGSCSLGTL RDHQSSPYAA VPYKLFTDHG GLNEKRKQRR IRTTFTSAQL KELERVFAET HYPDIYTREE LALKIDLTEA RVQVWFQNR AKFRKQERAA AAAAAAAKNG SSGKKSDSSR DDESKEAKST DPDSTGGPGP NPNPTPCGA NGGGGGGPGP AGAPGAAGPG GPGGEPGKGG AAAAAAAAA AAAAAAAAAA GGLAAAGPG QGWAPGPGPI TSIPDSLGGP FASVLSSLQR PNGAKAALVK SSMF
<b>Source</b>	Yeast
<b>Target Names</b>	PHOX2B
<b>Protein Names</b>	Recommended name: Paired mesoderm homeobox protein 2B Alternative name(s): Neuroblastoma Phox Short name= NBPhox PHOX2B homeodomain protein Paired-like homeobox 2B
<b>Expression Region</b>	1-314
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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