

Datasheet for ABIN7550818  
**PHOX2B Protein (AA 1-314) (His tag)**



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## Overview

Quantity:	1 mg
Target:	PHOX2B
Protein Characteristics:	AA 1-314
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHOX2B protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant PHOX2B Protein expressed in mammalian cells.
Sequence:	MYKMEYSYLN SSAYESCMAG MDTSSLASAY ADFSSCSQAS GFQYNPIRTT FGATSGCPSL TPGSCSLGTL RDHQSSPYAA VPYKLFTDHG GLNEKRKQRR IRTTFTSAQL KELERVFAET HYPDIYTREE LALKIDLTEA RVQVWFQNRK AKFRKQERAA AAAAAAAKNG SSGKKS DSSR DDESKEAKST DPDSTGGPGP NPNPTPCGA NGGGGGPSP AGAPGAAGPG GPGGEPGKGG AAAAAAAAAA AAAAAAAAAA GGLAAAGGPG QGWAPGPGPI TSIPDSLGGP FASVLSLQR PNGAKAALVK SSMF <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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## Target Details

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Target:	PHOX2B
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Alternative Name:	PHOX2B ( <a href="#">PHOX2B Products</a> )
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Background:	Paired mesoderm homeobox protein 2B (Neuroblastoma Phox) (NBPhox) (PHOX2B homeodomain protein) (Paired-like homeobox 2B),FUNCTION: Involved in the development of several major noradrenergic neuron populations, including the locus coeruleus. Transcription factor which could determine a neurotransmitter phenotype in vertebrates. Enhances second-messenger-mediated activation of the dopamine beta-hydrolase and c-fos promoters, and of several enhancers including cAMP-response element and serum-response element.
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Molecular Weight:	31.6 kDa
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UniProt:	<a href="#">Q99453</a>
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## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months