

Datasheet for ABIN2720027

PHD1 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	20 µg
Target:	PHD1 (EGLN2)
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHD1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human EGLN2 / PHD1 (transcript variant 1) protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	PHD1 (EGLN2)
Alternative Name:	Egln2,phd1 (EGLN2 Products)
Background:	The hypoxia inducible factor (HIF) is a transcriptional complex that is involved in oxygen homeostasis. At normal oxygen levels, the alpha subunit of HIF is targeted for degradation by prolyl hydroxylation. This gene encodes an enzyme responsible for this post-translational modification. Alternative splicing results in multiple transcript variants. Read-through

Target Details

	transcription also exists between this gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene.
Molecular Weight:	43.5 kDa
NCBI Accession:	NP_444274
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Cell RedoxHomeostasis

Application Details

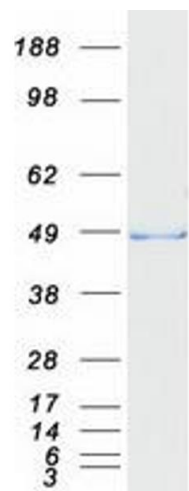
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Wang, Huang, Liu, Cai, Millard, Wang, Chang, Peng, Fan: "Cardiomyocytes mediate anti-angiogenesis in type 2 diabetic rats through the exosomal transfer of miR-320 into endothelial cells." in: Journal of molecular and cellular cardiology , Vol. 74, pp. 139-50, (2014) (PubMed).
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Western Blotting

Image 1. Validation with Western Blot