

Datasheet for ABIN2720028

PHD1 Protein (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	PHD1 (EGLN2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHD1 protein is labelled with His tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human EGLN2 / PHD1 (N-term HIS tag, transcript variant 3) protein expressed in E. coli.• 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

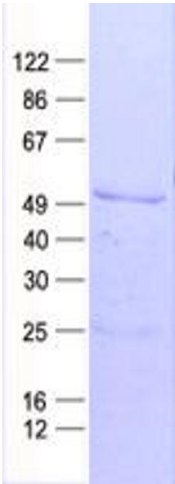
	transcription also exists between this gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene.
Molecular Weight:	43.5 kDa
NCBI Accession:	NP_542770
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway , Cell RedoxHomeostasis

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 N-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl. Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
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.



Western Blotting

Image 1. Validation with Western Blot