

# Product Datasheet

## Recombinant Human EGLN1/PHD2 GST (N-Term) Protein H00054583-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00054583-P01](http://www.novusbio.com/H00054583-P01)

Updated 10/23/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00054583-P01](http://www.novusbio.com/reviews/destination/H00054583-P01)

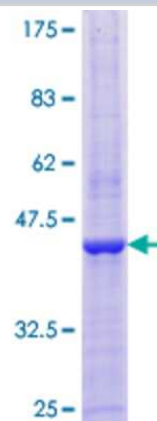


**H00054583-P01-10ug****Recombinant Human EGLN1/PHD2 GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	Elution buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0
<b>Target Molecular Weight</b>	41 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-128 of Human EGLN1.</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MVACYPGNGTGYVRHVDNPNNGDGRCVTCIYYLNKDWDKVS GGILRIFPEGK  AQFADIEPKFDRLLFFWSDRRNPHEVQPAYATRYAITVWYFDADERARAKVKY  LTGEKGV RVELNKPSDSVGKDV F</p>
<b>Gene ID</b>	54583
<b>Gene Symbol</b>	EGLN1
<b>Species</b>	Human
<b>Preparation Method</b>	In vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, In vitro assay, Protein Array, Immunoaffinity Purification, Enzyme Activity
<b>Recommended Dilutions</b>	Western Blot, ELISA, In vitro assay, Protein Array, Immunoaffinity Purification, Enzyme Activity

## Images

Recombinant Human EGLN1/PHD2 GST (N-Term) Protein [H00054583-P01] - Analysis by 12.5% SDS-PAGE. Gel stained with Coomassie Blue.



## Publications

Vidimar V, Licon C, Ceron-Camacho R et al. A redox ruthenium compound directly targets PHD2 and inhibits the HIF1 pathway to reduce tumor angiogenesis independently of p53. *Cancer Lett.* [PMID: 30339780] (EnzAct, Human)

Li Z, Zhou W, Zhang Y et al. ERK regulates HIF-1 alpha-mediated platinum resistance by directly targeting PHD2 in ovarian cancer *Clin. Cancer Res.* 2019-07-08 [PMID: 31285371] (In vitro, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00054583-P01-10ug**

NB100-2219PEP	EGLN1/PHD2 Antibody Blocking Peptide
NB100-105	HIF-1 alpha Antibody (H1alpha67)
NB100-137	EGLN1/PHD2 Antibody
NB100-122	HIF-2 alpha/EPAS1 Antibody - BSA Free

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00054583-P01](http://www.novusbio.com/reviews/submit/H00054583-P01)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

