



# Recombinant Human Egl nine homolog 1 (EGLN1)

<b>Product Code</b>	CSB-MP863932HU
<b>Abbreviation</b>	EGLN1
<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>	Q9GZT9
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ANDSGGPGG PSPSERDRQY CELCGKMENL LRCSRCRSSF YCCKEHQRQD WKKHKLVCQG SEGALGHGVG PHQHSGPAPP AAVPPPRAA REPRKAAARR DNASGDAAKG KVKAKPPADP AAAASPCRAA AGGQGSAAVA EAEPGKEEPP ARSSLFQEKA NLYPPSNTPG DALSPGGGLR PNGQTKPLPA LKLALEYIVP CMNKHGICVV DDFLGKETGQ QIGDEVRLH DTGKFTDGQL VSQKSDSSKD IRGDKITWIE GKEPGCETIG LLMSSMDDLI RHCNGKLGSY KINGRTKAMV ACYPGNGTGY VRHVDNPNGD GRCVTCIYYL NKDWDKAVSG GILRIFPEGK AQFADIEPKF DRLLFFWSDR RNPHEVQPAY ATRYAITVWY FDADERARAK VKYLTGEKGV RVELNKPSDS VGKDVF
<b>Source</b>	Mammalian cell
<b>Target Names</b>	EGLN1
<b>Protein Names</b>	Recommended name: Egl nine homolog 1 EC= 1.14.11.29 Alternative name(s): Hypoxia-inducible factor prolyl hydroxylase 2 Short name= HIF-PH2 Short name= HIF-prolyl hydroxylase 2 Short name= HPH-2 Prolyl hydroxylase do
<b>Expression Region</b>	2-426
<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 of Mature Protein
<b>Target Details</b>	This protein catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. HIF is a transcriptional complex that plays a central role in mammalian oxygen homeostasis. This protein functions as a cellular oxygen sensor, and under normal oxygen concentration, modification by prolyl hydroxylation is a key regulatory event that targets HIF subunits for proteasomal destruction via the von Hippel-Lindau ubiquitylation complex. Mutations in this gene are associated with erythrocytosis familial type 3 (ECYT3).
<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.

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