

Recombinant Human EGLN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EGLN2-4013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EGLN2 MS Standard C13 and N15-labeled recombinant protein (NP_444274) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 transcription also exists between this gene and the upstream RAB4B (RAB4B, member RAS oncogene family) gene.
Molecular Mass	43.7 kDa
AA Sequence	MDSPCQPQPLSQALPQLPGSSSEPLEPEPGRARMGVESYLPCLLPsyHCPGVPS EASAGSGTPRATATSTTASPLRDGFGGQDGGELRPLQSEGAAALVTGKCQRLAAQ GARPEAPKRKWAEDGGDAPSPSKRPWARQENQEAEREGGMSCSCSSSGSGEASA GLMEEALPSAPERLALDYIVPCMRYYGICVKDSFLGAALGGRVLA EVEALKRGGRLR DGQLVSQRAIPPRSIRGDQIAWVEGHEPGCRSIGALMAHVDAVIRHCAGRLGsyVIN GRTKAMVACYPGNGLGYVRHVDNPHGDGRCITCIYYLNQNWVDVKVHGGLLQIFPE GRPVVANIEPLFDRLLIFWSDRRNPHEVKPAYATRYAITVWYFDAKERAAAKDKYQL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ASGQKGVQVPVSQPPTPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	EGLN2 egl-9 family hypoxia inducible factor 2 [Homo sapiens (human)]
Official Symbol	EGLN2
Synonyms	EGLN2; egl nine homolog 2 (C. elegans); EGL nine (C.elegans) homolog 2; egl nine homolog 2; HIF prolyl hydroxylase 1; HIFPH1; PHD1; estrogen-induced tag 6; HIF-prolyl hydroxylase 1; hypoxia-inducible factor prolyl hydroxylase 1; prolyl hydroxylase domain-containing protein 1; EIT6; HPH-1; HPH-3; HIF-PH1; FLJ95603; DKFZp434E026;
Gene ID	112398
mRNA Refseq	NM_053046
Protein Refseq	NP_444274

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 606424**UniProt ID** Q96KS0**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA