

Product information



EGLN3, 1-239aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1609

Full name: Egl nine homolog 3

NCBI Accession No.: NP_071356

Synonyms: HIFPH3, PHD3

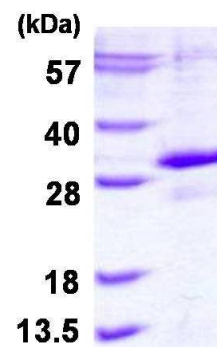
Description: EGLN3, a member of the EGLN family of prolyl hydroxylases, has been shown to catalyze hydroxylation of the α subunit of hypoxia-inducible factor- α , which targets hypoxia-inducible factor- α for ubiquitination by a ubiquitin ligase complex containing the von Hippel-Lindau (VHL) tumor suppressor. EGLN3 is the most important isozyme in limiting physiological activation of HIFs (particularly HIF2A) in hypoxia. Also hydroxylates PKM2 in hypoxia, limiting glycolysis. Under normoxia, hydroxylates and regulates the stability of ADRB2. Recombinant human EGLN3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 50% glycerol,
0.3M NaCl, 5mM DTT, 2mM EDTA

Molecular Weight: 29.8 kDa (263aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSHPMLGHI MRLDLEKIAL EYIVPCLHEV GFCYLDNFLG EVVGDVLER VKQLHCTGAL RDGQLAGPRA
GVSKRHLRGD QITWIGGNEE GCEAISFLLS LIDRLVLYCG SRLGKYVKE RSKAMVACYP GNGTGYVRHV DNPNGDGRCI TCIIYLNKNW
DAKLHGGILR IFPEGKSFIA DVEPIFDRLL FFWSDRRNPH EVQPSYATRY AMTVWYFDAE ERAEAKKKFR NLTRKTESAL TED

General references:

Epstein A.C.R., *et al.* (2001) *Cell*. 107:43-54

Lee S., *et al.* (2000) *Cancer Cell*. 8:155-167

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com