

EGLN3, 1-239aa, Human, His tag, E.coli

Cat.NO.: TP01986

3th Edition

Synonyms:Egl nine homolog 3, 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-1, which targets hypoxia-inducible factor-1 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.

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMPLGHIMRLDLEKIALEYIVPCLHEVGFCYLDNFLGEVVGDCVLERVKQLH
CTGALRDGQLAGPRAGVSKRHLRGDQITWIGGNEEGCEAISFLLSLIDRLVLYCGSRLGKYYVKERSKAMVACYPG
NGTGYYVRHVDNPNNGDGRCITCIYYLNKNWDAKLHGGILRIFPEGKSFADVEPIFDRLLFFWSDRRNPHEVQPSYAT
RYAMTVWYFDAEERAEAKKKFRNLTRKTESALTED

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.