

Product datasheet for PH306152

EGLN2 (NM_053046) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EGLN2 MS Standard C13 and N15-labeled recombinant protein (NP_444274)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206152
Predicted MW:	43.7 kDa
Protein Sequence:	>RC206152 protein sequence Red=Cloning site Green=Tags(s)

MDSPCQPQLSQALPQLPGSSSEPLEPEPGRARMGVESYLPCLLPSYHCPGVPSEASAGSGTPRATATS
TTASPLRDGFGGQDGGELRPLQSEGAAALVTKGCQRLAAQGARPEAPKRKWAEDGGDAPSPSKRPWARQE
NQEAEREGMSCSCSSGSGEASAGLMEEALPSAPERLALDYIVPCMRYYGICVKDSFLGAALGGRVLAEV
EALKRGGRLRDGQLVSQRAIPPRSIRGDQIAWVEGHEPGCRSIGALMAHVDAVIRHCAGRLGSYVINGRT
KAMVACYPGNLGYVRHVDNPHGDGRCITCIYYLNQNWVQVHGGLLQIFPEGRPVVANIEPLFDRLLIF
WSDRRNPHEVKPAYATRYAITVWYFADAKERAAAKDKYQLASGQKGVQVPVSPPTPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_444274
RefSeq Size:	2264
RefSeq ORF:	1221
Synonyms:	EIT-6; EIT6; HIF-PH1; HIFPH1; HPH-1; HPH-3; PHD1
Locus ID:	112398



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UniProt ID: [Q96KSO](#), [A0A024R0R2](#)

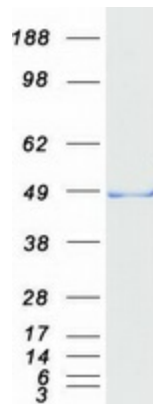
Cytogenetics: 19q13.2

Summary: 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. [provided by RefSeq, Feb 2011]

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Renal cell carcinoma

Product images:



Coomassie blue staining of purified EGLN2 protein (Cat# [TP306152]). The protein was produced from HEK293T cells transfected with EGLN2 cDNA clone (Cat# [RC206152]) using MegaTran 2.0 (Cat# [TT210002]).