Active Recombinant Full Length Human EGLN2 Protein, C-Flag-tagged

Cat. No. EGLN2-174HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EGLN2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 degration 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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme activity (In vitro hydroxylation assay)
Molecular Mass	43.5 kDa
AA Sequence	MDSPCQPQPLSQALPQLPGSSSEPLEPEPGRARMGVESYLPCPLLPSYHCPGVPS EASAGSGTPRATATS TTASPLRDGFGGQDGGELRPLQSEGAAALVTKGCQRLAAQ GARPEAPKRKWAEDGGDAPSPSKRPWARQE NQEAEREGGMSCSCSSGSGEASA GLMEEALPSAPERLALDYIVPCMRYYGICVKDSFLGAALGGRVLAEV EALKRGGRL

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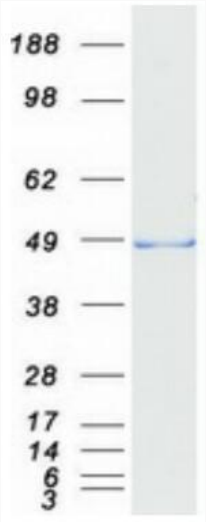
	RDGQLVSQRAIPPRSIRGDQIAWVEGHEPGCRSIGALMAHVDAVIRHCAGRLGSYVI NGRT KAMVACYPGNGLGYVRHVDNPHGDGRCITCIYYLNQNWDVKVHGGLLQIFP EGRPVVANIEPLFDRLLIF WSDRRNPHEVKPAYATRYAITVWYFDAKERAAAKDKYQLASGQKGVQVPVSQPPT PTTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Pathways in cancer, Renal cell carcinoma
Full Length	Full L.

GENE INFORMATION

Gene Name	EGLN2 egl-9 family hypoxia inducible factor 2 [Homo sapiens (human)]
Official Symbol	EGLN2
Synonyms	EIT6; PHD1; EIT-6; HPH-1; HPH-3; HIFPH1; HIF-PH1

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Gene ID	112398
mRNA Refseq	NM_053046.4
Protein Refseq	NP_444274.1
MIM	606424
UniProt ID	Q96KS0



Coomassie blue staining of purified EGLN2 protein.

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