

Product datasheet for **RG206152**

EGLN2 (NM_053046) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EGLN2 (NM_053046) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EGLN2
Synonyms:	EIT-6; EIT6; HIF-PH1; HIFPH1; HPH-1; HPH-3; PHD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206152 representing NM_053046 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAGCCCGTCCAGCCGAGCCCTAAGTCAGGCTCTCCCTCAGTTACCAGGGTCTTCGTGAGAGC
CCTTGGAGCCTGAGCCTGGCCGGCCAGGATGGGAGTGGAGAGTTACCTGCCCTGTCCCCTGCTCCCCTC
CTACCACTGTCCAGGAGTGCCTAGTGAGGCCTCGGCAGGGAGTGGGACCCAGAGCCACAGCCACCTCT
ACCACTGCCAGCCCTCTCGGGACGGTTTTGGCGGCAGGATGGTGGTGGCTGCGGCCGCTGCAGAGTG
AAGGCGTGCAGCGCTGGTCACCAAGGGGTGCCAGCGATTGGCAGCCAGGGCGCACGGCCTGAGGCCCC
CAAACGGAAATGGGCCGAGGATGGTGGGATGCCCTTACCCAGCAAACGGCCCTGGGCCAGGCAAGAG
AACCAGGAGGCAGAGCGGGAGGGTGGCATGAGCTGCAGCTGCAGCAGTGGCAGTGGTGGGCCAGTGCTG
GGCTGATGGAGGAGGCGCTGCCCTCTGCGCCCGAGCGCCTGGCCCTGGACTATATCGTGCCTGCATGCG
GTACTACGGCATCTGCGTCAAGGACAGCTTCTGGGGCAGCACTGGGCGGTGCGGTGCTGGCCGAGGTG
GAGGCCCTCAAACGGGGTGGGCGCTGCGAGACGGCAGCTAGTGGCCAGAGGGCGATCCCGCCGCGCA
GCATCCGTGGGGACCAGATTGCCTGGGTGGAAGCCATGAACCAGGCTGTGAAGCATTGGTGCCCTCAT
GGCCCATGTGGACGCCGTATCCGCCACTGCGCAGGGCGGCTGGCAGCTATGTATCAACGGGCGCACC
AAGGCCATGGTGGCGTGTACCCAGGCAACGGGCTCGGGTACGTAAAGGCAGTTGACAATCCCCAGGGC
ATGGGCGCTGCATCACCTGTATCTATTACCTGAATCAGAAGTGGGACGTTAAGGTGCATGGCGGCCTGCT
GCAGATCTTCCCTGAGGGCCGGCCCGTGGTAGCCAACATCGAGCCACTCTTTGACCGGTTGCTCATTTC
TGGTCTGACCGCGGAACCCCCACGAGGTGAAGCCAGCCTATGCCACCAGGTACGCCATCACTGTCTGGT
ATTTTGATGCCAAGGAGCGGGCAGCAGCCAAAGACAAGTATCAGTAGCATCAGGACAGAAAGGTGTCCA
AGTACCTGTATCACAGCCGCTACGCCACC

ACGGTACGGCGCCGCTCGAG - GFP Tag - GTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_053046.4](#)

RefSeq Size: 2111 bp

RefSeq ORF: 1224 bp

Locus ID: 112398

UniProt ID: [Q96KS0](#)

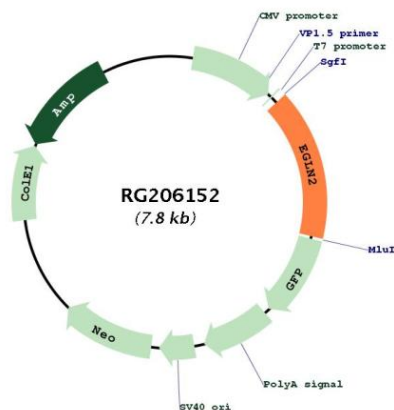
Cytogenetics: 19q13.2

Protein Families: Druggable Genome

Protein Pathways: Pathways in cancer, Renal cell carcinoma

Gene 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]

Product images:



Circular map for RG206152