

## Product datasheet for **RC219191L4V**

### EGLN2 (NM\_080732) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	EGLN2 (NM_080732) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EGLN2
Synonyms:	EIT-6; EIT6; HIF-PH1; HIFPH1; HPH-1; HPH-3; PHD1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_080732
ORF Size:	1221 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219191).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_080732.2</a>
RefSeq Size:	2174 bp
RefSeq ORF:	1224 bp
Locus ID:	112398
UniProt ID:	<a href="#">Q96KS0</a>
Cytogenetics:	19q13.2
Domains:	2OG-Fell_Oxy, P4Hc
Protein Families:	Druggable Genome



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**Protein Pathways:** Pathways in cancer, Renal cell carcinoma

**MW:** 43.7 kDa

**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]