

## Product datasheet for **RN212035**

### **Egln2 (NM\_001004083) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Egln2 (NM\_001004083) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Egln2  
**Synonyms:** HIF-PH1; HPH-1; HPH-3; PHD-1; PHD1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN212035 representing NM\_001004083  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGACAGCCCGTGCCAGCCGAGGCCCTGAATCAAGCTCTCCCTCAGTTGCCAGGGTCTGTGTGAGAGT  
CCTTGGAGCCTAGCCGAGCCAGGATGGGGTGGAGAGTTACCTGCCCTGTCTCTGCTCCCTCCTACCA  
CCGTTCCAGGAGCATCTGGGGAGGCTCGGCTGGCAACGGGACCCCAAGACACAGCCACTGCTACTACT  
ACCACTGCCAGTCCCCTGCGGGAGGGCTTTGGTGGGCAGGATGGTGGTGAGCTGTGGCCACTGCAGAGTG  
AAGGTGCTGCTGCGTTGGTTACCAAGGAGTGCCAGCGACTGGCGGCCAGGGTGCCCGACCTGAGGCCCC  
CAAACGGAAGTGGGCCAAGGATGGTGGGGATGCCCTTCAACCAGCAAGCGACCGTGGGCCAGGCAAGAG  
AACCAGGAGGCCAAGGGGAAAGTGGTGTGGGCTGTGACAGCGGTGGCGGCAGCAGCAACAGCACTACCC  
ATAGCAGTGGCGAGGCAAGTTCTAGGCTGAGGGAGGAAGCCAGCCCTCTGCACCTGAGCGCCTGGCCTT  
GGACTATATTGTGCTTGCATGCGGTAATGATCTGCGTCAAGGACAATCTTGGGGCAGTACTG  
GGTGGCCGTGTGCTGGCTGAGGTGGAAGCCCTGAAGTGGGGCGGGCTCTACGTGATGGCAACTAGTGA  
GCCAGCGGGCATCCACCCGCGCAGCATTGCTGGGGACCAGATTGCTGGGTAGAAGGCCACGAGCCAGG  
CTGCCGAGCATTGGTGCCTCATGGCTCATGTGGAGCAGTAATCCGCCACTGTGCAGGGCGGCTGGGC  
AACTACGTCATCAATGGGCGCACCAAGGCCATGGTGGCGTGTACCCAGGCAATGGGCTCGGGTACGTGA  
GGCATGTTGACAAATCCCCACGGCGATGGGCGCTGCATCACCTGTATCTATTACCTGAATCAGAAGTGGGA  
TGTTAAGGTGCATGGCGGCTGCTGCAGATCTTCCCTGAGGGTGGCCAGTGGTAGCCAACATCGAGCCA  
CTCTTTGACCGGTTGCTCATTTTCTGGTCTGACCGACGGAATCCACATGAGGTGAAGCCAGCCTATGCCA  
CCAGGTACGCCATCACTGTCTGGTATTTTGTATGCCAAGGAGCGGGCAGCAGCCAGAGACAAGTATCAGT  
AGCATCGGGACAGAAAGGTGTTCAAGTACCCGTGTACAGCCAGCTACACCTACC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001004083
<b>Insert Size:</b>	1248 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001004083.1</a></u> , <u><a href="#">NP_001004083.1</a></u>
<b>RefSeq Size:</b>	2013 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	308457
<b>UniProt ID:</b>	<u><a href="#">Q6AYU4</a></u>
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	HIF-prolyl hydroxylase 1; might be involved in might play a role in hypoxic preconditioning [RGD, Feb 2006]