

## Product datasheet for **MG201630**

### Vhl (NM\_009507) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vhl (NM\_009507) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Vhl  
**Synonyms:** Vhlh  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201630 representing NM\_009507  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCCGGAAGGCAGCCAGTCCAGAGGAGGCGGGGAGCCCGTCTGAGGAGATGGAGGCTGGGC  
 GGCCGCGCCGGTGTGCGCTCGGTGAAGTCCGCGAGCCCTCTCAGGTATCTTCTGCAACCGCAGCCC  
 GCGCGTGTGCTGCCTTTGTGGCTCAACTTCGACGGCGAGCCTCAGCCCTACCCGATCTTACCACGGGC  
 ACCGGCCCGCATCCACAGCTACCGAGGTATCTTTGGCTCTTCAAGGATGCGGGACCCATGATGGAC  
 TTCTGGTTAACCAAACGGAGCTGTTTGTGCCATCCCTCAATGTCGATGGACAGCCTATTTTTGCCAACAT  
 CACATTGCCAGTGTATACCCTGAAAGAGCGGTGCCTTCAGGTTGTGCGGAGCCTGGTCAAGCCTGAGAAC  
 TACAGGAGACTGGACATCGTCAGGTCACTCTATGAGGATTTGGAGGACTACCCAAGTGTGCGGAAGGACA  
 TACAGCGACTGAGCCAAGAGCACCTTGAGATCAGCACCTGGAAGAGGAGCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201630 representing NM\_009507  
 Red=Cloning site Green=Tags(s)

MPRKAASPEEAAGEPGPEEMEAGRPRPVLRSVNSREPSQVIFCNRSRVLPLWLNFDGEPQYPYILPPG  
 TGRRIHSYRGHLWLFRDAGTHDGLLVNQTFLVPSLNVGQPIFANITLPPVYTLKERCLQVVRSLVKPEN  
 YRRLDIVRSLYEDLEDYPSVRKDIQRLSQEHLESQHLEEEEP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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<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_009507.4</a></u>
<b>RefSeq Size:</b>	2730 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	22346
<b>UniProt ID:</b>	<u><a href="#">P40338</a></u>
<b>Cytogenetics:</b>	6 52.81 cM
<b>Gene Summary:</b>	Involved in the ubiquitination and subsequent proteasomal degradation via the von Hippel-Lindau ubiquitination complex. Seems to act as a target recruitment subunit in the E3 ubiquitin ligase complex and recruits hydroxylated hypoxia-inducible factor (HIF) under normoxic conditions. Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases. Ubiquitinates, in an oxygen-responsive manner, ADRB2 (By similarity).[UniProtKB/Swiss-Prot Function]