

# Product datasheet for MG201630

# Vhl (NM\_009507) Mouse Tagged ORF Clone

## **Product data:**

#### OriGene Technologies, Inc.

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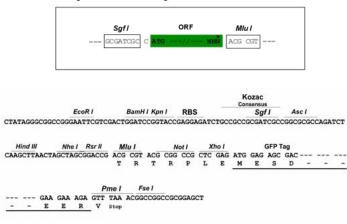
Product Type:	Expression Plasmids
Product Name:	Vhl (NM_009507) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vhl
Synonyms:	Vhlh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;MG201630 representing NM_009507 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGCCCCGGAAGGCAGCCAGTCCAGAGGAGGCGGCGGGGGGAGCCCGGTCCTGAGGAGATGGAGGCTGGGC GGCCGCGGCCGGTGCTGCGCTCGGTGAACTCGCGCGAGCCTCTCAGGTCATCTTCTGCAACCGCAGCCC GCGCGTCGTGCTGCCTTTGTGGCTCAACTTCGACGGCGAGCCTCAGCCCTACCCGATCTTACCACCGGGC ACCGGCCGCCGCATCCACAGCTACCGAGGTCATCTTTGGCTCTTCAGGGATGCGGGGACCCATGATGGAC TTCTGGTTAACCAAACGGAGCTGTTTGTGCCATCCTCAATGTCGATGGACAGCCTATTTTTGCCAACAT CACATTGCCAGTGTATACCCTGAAAGAGCGGTGCCTTCAGGTTGTGCGGAGCCTGGTCAAGCCTGAGAAC TACAGGAGACTGGACATCGTCAGGTCACCTTATGAGGATTTGGAGGACTACCCAAGTGTGCGGAAGGACA TACAGCGACTGAGCCAAGAGCACCTTGAGAGTCAGCACCTGGAAGAGGAGCCT
Protein Sequence:	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA >MG201630 representing NM_009507 Red=Cloning site Green=Tags(s)
	MPRKAASPEEAAGEPGPEEMEAGRPRPVLRSVNSREPSQVIFCNRSPRVVLPLWLNFDGEPQPYPILPPG TGRRIHSYRGHLWLFRDAGTHDGLLVNQTELFVPSLNVDGQPIFANITLPVYTLKERCLQVVRSLVKPEN YRRLDIVRSLYEDLEDYPSVRKDIQRLSQEHLESQHLEEEP
	TRTRPLE - GFP Tag - V
<b>Restriction Sites:</b>	Sgfl-Mlul



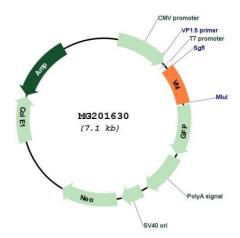
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## **Cloning Scheme:**





### Plasmid Map:



ACCN:	NM_009507
ORF Size:	543 bp
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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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ORIGENE Vhl (NM_009507) Mouse Tagged ORF Clone – MG201630	
Components:	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).
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 009507.4</u>
RefSeq Size:	2730 bp
RefSeq ORF:	546 bp
Locus ID:	22346
UniProt ID:	<u>P40338</u>
Cytogenetics:	6 52.81 cM
Gene Summary:	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]

~ \$1/-

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