

## Product datasheet for **MC209640**

### Vhl (NM\_009507) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Vhl (NM_009507) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vhl
Synonyms:	Vh1h
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209640 representing NM_009507 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGGAAGGCAGCCAGTCCAGAGGAGGGCGGGGAGCCCGTCTGAGGAGATGGAGGCTGGGC  
GGCCGCGCCGGTGTGCGCTCGGTGAACCGCGAGCCCTCTCAGGTCATCTTCTGCAACCGCAGCCC  
GCGCGTCGTGCTGCCTTTGTGGCTCAACTCGACGGCGAGCCTCAGCCCTACCCGATCTTACCACGGGC  
ACCGCCCGCCGATCCACAGCTACCGAGGTCATCTTTGGCTCTCAGGGATGCGGGACCCATGATGGAC  
TTCTGGTTAACCAAACGGAGCTGTTTGTGCCATCCCTCAATGTCGATGGACAGCCTATTTTTGCCAACAT  
CACATTGCCAGTGTATACCTGAAAGAGCGGTGCCTTCAGGTTGTGCGGAGCCTGGTCAAGCCTGAGAAC  
TACAGGAGACTGGACATCGTCAGGTCATCTATGAGGATTTGGAGGACTACCCAAGTGTGCGGAAGGACA  
TACAGCGACTGAGCCAAGAGCACCTTGAGATCAGCACCTGGAAGAGGAGCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja3326_e09.zip">https://cdn.origene.com/chromatograms/ja3326_e09.zip</a>
Restriction Sites:	Sgfl-MluI
ACCN:	NM_009507
Insert Size:	546 bp



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<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>	<a href="#">BC052417</a> , <a href="#">AAH52417</a>
<b>RefSeq Size:</b>	2730 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	22346
<b>UniProt ID:</b>	<a href="#">P40338</a>
<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]