

Product datasheet for **SC300638**

VHLL (NM_001004319) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VHLL (NM_001004319) Human Untagged Clone
Tag:	Tag Free
Symbol:	VHLL
Synonyms:	VHLP; VLP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001004319 edited
 ATGCCCTGGAGAGCGGGGAACGGGTGGGTTTAGAGGCCAGGCGGGCACCCAGGAGGCA
 GGCCCAAGAGTACTGCCAGGAAGAGTTGGGCGCCGAGGAGGAGATGGCAGCCAGAGCA
 GCATGGCCTGTGCTGCGCTCTGTGAACTCACGCGAGCTCTCCCGATCATCATCTGCAAT
 CACAGCCACGAATCGTGCTGCCTGTGTGGCTCAACTACTATGGCAAGCTGCTGCCTAC
 CTGACGCTGCTGCCCGGCGAGGACTTCCGCATCCACAACCTCCGAAGCCACCCTTGCTC
 TTCAGAGATGCAAGGACACATGATAAGCTTCTGGTTAACCAAACTGAATTGTTTGTGCCA
 TCTTCCAATGTTAATGGACAGCCTGTTTTGCCAACATCACACTGCAGTGATACCCTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001004319 unedited
 AAGTCAAAATTGTAAACGACTCACTATAGCGGCGCGNAATCATGCCCTGGAGAGCGGG
 GAACGGGGTGGGTTTAGAGGCCAGGCGGGCACCCAGGAGGCAGGCCAGGAAGAGTACTG
 CCAGGAAGAGTTGGGCGCCGAGGAGGAGATGGCAGCCAGAGCAGCATGGCCTGTGCTGCG
 CTCTGTGAACTCACGCGAGCTCTCCCGATCATCATCTGCAATCACAGCCACGAATCGT
 GCTGCCTGTGTGGCTCAACTACTATGGCAAGCTGCTGCCCTACCTGACGCTGCTGCCCGG
 CAGGGACTTCCGCATCCACAACCTCCGAAGCCACCCTTGCTCTTCAGAGATGCAAGGAC
 ACATGATAAGCTTCTGGTTAACCAAACTGAATTGTTTGTGCCATCTTCCAATGTTAATGG
 ACAGCCTGTTTTTGCCAACATCACACTGCAGTGATACCCTGAGTCGACTCTAGATTGCG
 GCCGCGGTGATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCA
 GTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCAACAGCCTTGTCCTAATAAAA
 TTAAGTTGCATATTTTGTCTGACTAGGTGTCCTTCTATAATATTATGGGGTGGAGGGGG
 GTGGGGTAATGGAAGCAAGGGGCAAGTTTGGGAAGACAACCTGTAGGGCCCTGCGGGGGT
 CTATTTGGGAACCAAGGCTGGAGTGGCAGTGGGACCAATCTTTGGGCTCACTGGCAATC
 TCCCGCTCCCTGGGTTTCAAGCGATTTCTCCCTGGCCTAAGCCCTCCCGAGGTTGTTGG
 GGATCCAGGCATGCATGGACAGGGCTCAGCTAAATTTTGGTTTTTTGGTAAAAGA
 CGGGGGTG

Restriction Sites: Please inquire


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ACCN:	NM_001004319
OTI Disclaimer:	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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_001004319.1</u> , <u>NP_001004319.1</u>
RefSeq Size:	676 bp
RefSeq ORF:	420 bp
Locus ID:	391104
UniProt ID:	<u>Q6RSH7</u>
Cytogenetics:	1q22
Gene Summary:	Von Hippel-Lindau (VHL) tumor suppressor protein is a component of an E3 ubiquitin ligase complex that selectively ubiquitinates the alpha subunit of the hypoxia-inducible factor (HIF) transcription factor for proteasome-mediated degradation. Inactivation of VHL causes VHL disease and sporadic kidney cancer. This gene encodes a VHL homolog that lacks one of two key domains necessary for VHL function. This gene may contribute to the regulation of oxygen homeostasis and neovascularization during placenta development. This gene is intronless, and can also be interpreted as a retrotransposed pseudogene of the VHL locus located on chromosome 3. However, the protein is represented in this RefSeq due to evidence in PMID:14757845 that strongly suggests it is translated. The same publication also indicates that this protein binds HIF alpha but fails to recruit the E3 ubiquitin ligase complex, and it therefore functions as a dominant-negative VHL protein and a protector of HIF alpha. [provided by RefSeq, Jan 2010]