

Recombinant Human VHLL Protein, His-tagged

Cat. No. VHLL-369H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human VHLL protein, fused to His tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
Description	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].
Form	25 mM Tris, pH 8.0, 150 mM NaCl, 10 % glycerol, 1 % Sarkosyl.
Molecular Mass	15.6 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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Concentration	>50 ug/mL as determined by microplate BCA method
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GENE INFORMATION

Gene Name	VHL like [Homo sapiens]
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Official Symbol	VHLL
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Synonyms	VHLP; VLP
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Gene ID	391104
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mRNA Refseq	NM_001004319.2
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Protein Refseq	NP_001004319.1
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UniProt ID	Q6RSH7
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