

# Recombinant Full Length Human VHL Protein, N-His-tagged

**Cat. No.** VHL-336HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human VHL Protein, fused to His-tag at N-terminus, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. The protein encoded by this gene is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
<b>Form</b>	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
<b>Molecular Mass</b>	24 kDa
<b>AA Sequence</b>	A DNA sequence encoding human full-length VHL.
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Protein Families</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways</b>	Pathways in cancer, Renal cell carcinoma, Ubiquitin mediated proteolysis
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	VHL von Hippel-Lindau tumor suppressor [ Homo sapiens (human) ]
<b>Official Symbol</b>	VHL
<b>Synonyms</b>	RCA1; VHL1; pVHL; HRCA1
<b>Gene ID</b>	7428
<b>mRNA Refseq</b>	NM_000551.4
<b>Protein Refseq</b>	NP_000542.1
<b>MIM</b>	608537
<b>UniProt ID</b>	P40337

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