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## Recombinant human VHL protein

Catalog Number: VHL3001

### **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-154aa

#### **UniProt No.**

P40337

#### **NCBI Accession No.**

NP 000542.1

## **Alternative Names**

Von Hippel-Lindau tumor suppressor isoform 1, Von Hippel-Lindau tumor suppressor isoform 1, HRCA1, RCA1, VHL1, Von Hippel-Lindau tumor suppressor isoform 1 pVHL, G7 protein, Elongin binding protein, HRCA 1, RCA 1, VHL, VHL 1, VHLH, Von Hippel Lindau disease tumor suppressor, von Hippel Lindau syndrome, von Hippel Lindau tumor suppressor,

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

19.2 kDa (174aa) confirmed by MALDI-TOF

## Concentration

1mg/ml (determined by Bradford assay)

## **Formulation**

Liquid in. phosphate-buffered Saline (pH 7.4) containing 1mM DTT, 2mM EDTA

## **Purity**

> 85% by SDS-PAGE

## Tag

His-Tag

#### **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## **BACKGROUND**

## **Description**

Von Hippel-Lindau disease (VHL) is a dominant inherited syndrome characterized by the predisposition to develop various kinds of benign and malignant tumors, including clear cell renal carcinomas, pheochromocytomas and hemangioblastomas of the central nervous system and retina. VHL syndrome is caused



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by germline mutation in the VHL tumor suppressor, and VHL tumors are associated with loss or mutation of the remaining wild-type allele. VHL has two domains: a roughly 100-residue NH2-terminal domain rich in beta sheet (beta-domain) and a smaller alpha-helical domain (alpha-domain), held together by two linkers and a polar interface. VHL protein is also involved in the degradation of hypoxia-inducible factor (HIF). VHL beta-domain (1-154aa) was overexpressed in E. coli and purified by using conventional chromatography techniques

## **Amino acid Sequence**

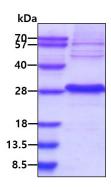
<MGSSHHHHHH SSGLVPRGSH> MPRRAENWDE AEVGAEEAGV EEYGPEEDGG EESGAEESGP EESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVVLPVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFR DAGTHDGLLV NQTELFVPSL NVDGQPIFAN ITLP

#### **General References**

Latif F., et al. (1993) Science. 260(5112):1317-20 Duan DR., et al. (1995) PNAS. 92(14):6459-63 Maxwell PH., et al. (1999) Nature 399(6733):271-5

#### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

