

Recombinant Human VHL Protein, DYKDDDDK-tagged

Cat. No. VHL-28605H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of homo sapiens von Hippel-Lindau tumor suppressor (VHL), transcript variant 1 (NM_000551), with a DYKDDDDK tag was expressed in human cells.
Species	Human
Source	Human Cells
Description	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.
Molecular Mass	24 kDa
Endotoxin	< 0.1 ng/ µg of protein (< 1 EU/ µg)
Purity	> 90% by SDS-PAGE gel and Coomassie Blue staining

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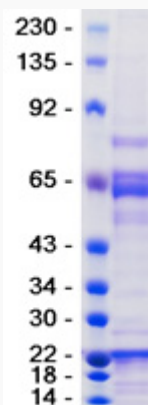
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Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!
Storage Buffer	Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives
GENE INFORMATION	
Gene Name	VHL von Hippel-Lindau tumor suppressor [Homo sapiens (human)]
Official Symbol	VHL von Hippel-Lindau tumor suppressor [Homo sapiens (human)]
Synonyms	VHL; von Hippel-Lindau tumor suppressor; RCA1; VHL1; pVHL; HRCA1; von Hippel-Lindau disease tumor suppressor; elongin binding protein; protein G7; von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase
Gene ID	7428
mRNA Refseq	NM_000551
Protein Refseq	NP_000542
MIM	608537
UniProt ID	P40337

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SDS-PAGE

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