

Active Recombinant Human VHL Protein, His tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human VHL Protein with His tag was expressed in Insect Cells.
Species	Human
Source	Insect Cells
Description	This gene encodes a component of a ubiquitination complex. The encoded 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. In addition to oxygen-related gene expression, this protein plays a role in many other cellular processes including cilia formation, cytokine signaling, regulation of senescence, and formation of the extracellular matrix. Variants of this gene are associated with von Hippel-Lindau syndrome, pheochromocytoma, erythrocytosis, renal cell carcinoma, and cerebellar hemangioblastoma.
Form	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
Molecular Mass	26.0 kDa
AASequence	MPRRAENWDEAEVGAAEEAGVEEYGPPEEDGGEEESGAEESGPPEESGPPEELGAAEEM EAGRPRPVLRSVNSREPSQVIFCNRSRVLPLVWLNFDGEPQPYPTLPPGTGRRIH SYRGHLWLFRDAGTHDGLLVNQTELFVPSLNVGQPIFANITLPVYTLKERCLQVVR SLVKPENYRRLDIVRSLYEDLEDHPNVQKDLERLTQERIAHQRMGD

 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	> 90% homogeneous based on SDS-PAGE analysis.
Applications	Purified VHL protein has been used for in vitro transcriptional activation and protein-protein interaction assays.
Storage	Stored at -70 centigrade before use. Avoid repeated freeze thaw cycles.
Unit Definition	1 unit equals 1 nanogram of purified protein. 30-100 units (ng) are required for an in vitro transcription assay and protein-protein interaction assay.

GENE INFORMATION

Gene Name	VHL von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	VHL
Synonyms	VHL; von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase; von Hippel Lindau syndrome, von Hippel Lindau tumor suppressor; von Hippel-Lindau disease tumor suppressor; VHL1; protein G7; elongin binding protein; RCA1; pVHL; HRCA1;
Gene ID	7428
mRNA Refseq	NM_000551
Protein Refseq	NP_000542
MIM	608537
UniProt ID	P40337

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