

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	MPRRAENWDEAEVGAEEAGVEEYGPPEEDGGEEESGAEESGPEESGPEELGAEEM EAGRPRPVLRSVNSREPSQVIFCNRSRVLVLPVWLNFDGEPQPYPTLPPGTGRRIH SYRGHLWLFRDAGTHDGLLVNQTELFVPSLNVDPGQPIFANITLPVYTLKERCLQVVR SLVKPENYRRLDIVRSLYEDLEDHPNVQKDLERLTQERIAHQRMGD

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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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