

Active Recombinant Human Full Length VHL Protein, His-tagged

Cat. No. VHL-3754H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Full Length VHL Protein(Met1~Asp213), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-213 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Von Hippel Lindau Tumor Suppressor (vHL) is a key tumor suppressor that plays a critical role in regulating cellular responses to oxygen levels. Encoded by the VHL gene, this protein functions primarily as part of a multi-protein E3 ubiquitin ligase complex, which targets specific proteins for degradation via the ubiquitin-proteasome system. To test the effect of vHL on cell proliferation, 293T cells were seeded into triplicate wells of 96-well plates and allowed to attach, replaced with various concentrations of recombinant human vHL. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 µof CCK-8 solution was added to each well of the plate, then the absorbance at 450 nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37°C. Cell viability was assessed by CCK-8

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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assay after incubation with recombinant human vHL for 72h. It was obvious that vHL significantly decreased cell viability of 293T cells. The ED50 of recombinant human vHL is 1.607 µg/ml.

Molecular Mass	27.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 80%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month, at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	VHL von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase [Homo sapiens]
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

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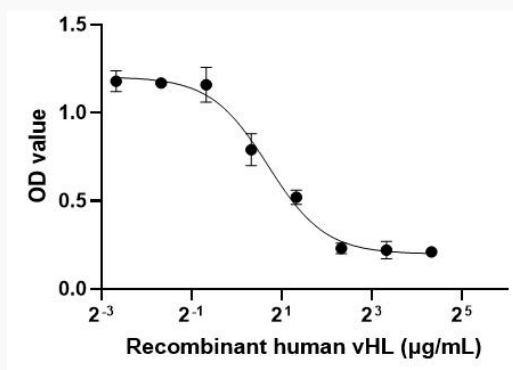
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Protein Refseq NP_000542

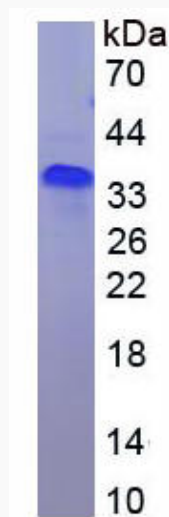
MIM 608537

UniProt ID P40337

Activity



SDS-PAGE



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