

Datasheet for ABIN7545100  
**VHL Protein (AA 1-213) (His tag)**



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## Overview

Quantity:	1 mg
Target:	VHL
Protein Characteristics:	AA 1-213
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VHL protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat VHL Protein expressed in mammalian cells.
Sequence:	<p>MPRRAENWDE AEVGAEAGV EYGPPEEDGG EESGAEESSG EESGPEELGA EEEMEAGRPR</p> <p>PVLRSVNSRE PSQVIFCNRS PRVLPVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFR</p> <p>DAGTHDGLLV NQTELFVPSL NVDGQPIFAN ITLPVYTLKE RCLQVVRSLV KPENYRRLDI</p> <p>VRSLYEDLED HPNVQKDLR LTQERIAHQR MGD <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p> <p><b>of the protein could make another tag necessary. In case you have a special request, please</b></p> <p><b>contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

## Target Details

Target: VHL

Alternative Name: VHL ([VHL Products](#))

Background: Von Hippel-Lindau disease tumor suppressor (Protein G7) (pVHL),FUNCTION: Involved in the ubiquitination and subsequent proteasomal degradation via the von Hippel-Lindau ubiquitination complex (PubMed:10944113, PubMed:17981124, PubMed:19584355). Seems to act as a target recruitment subunit in the E3 ubiquitin ligase complex and recruits hydroxylated hypoxia-inducible factor (HIF) under normoxic conditions (PubMed:10944113, PubMed:17981124). Involved in transcriptional repression through interaction with HIF1A, HIF1AN and histone deacetylases (PubMed:10944113, PubMed:17981124). Ubiquitinates, in an oxygen-responsive manner, ADRB2 (PubMed:19584355). Acts as a negative regulator of mTORC1 by promoting ubiquitination and degradation of RPTOR (PubMed:34290272). {ECO:0000269|PubMed:10944113, ECO:0000269|PubMed:17981124, ECO:0000269|PubMed:19584355, ECO:0000269|PubMed:34290272}.

Molecular Weight: 24.2 kDa

UniProt: [P40337](#)

Pathways: [Tube Formation, Signaling Events mediated by VEGFR1 and VEGFR2, Ubiquitin Proteasome Pathway](#)

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months