

VHL, 1-154 aa

Human, His-tagged, Recombinant, *E.coli*

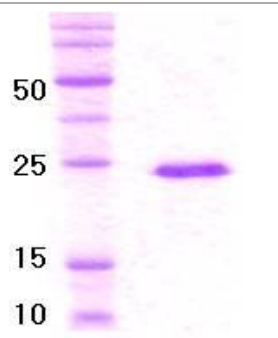
Cat. No.VHL3001

Full name: Von Hippel-Lindau tumor suppressor isoform 1

NCBI Accession No.: NP_000542

Synonyms: HRCA1, RCA1, VHL1

Description: Von Hippel-Lindau disease (VHL) is a dominant inherited syndrome characterized by the predisposition to develop various kinds of benign and malignant tumors, including clear cell renal carcinomas, pheochromocytomas and hemangioblastomas of the central nervous system and retina. VHL syndrome is caused by germline mutation in the VHL tumor suppressor, and VHL tumors are associated with loss or mutation of the remaining wild-type allele. VHL has two domains: a roughly 100-residue NH₂-terminal domain rich in β sheet(β -domain) and a smaller α -helical domain(α -domain), held together by two linkers and a polar interface. VHL protein is also involved in the degradation of hypoxia-inducible factor (HIF). VHL β -domain(1-154aa) was overexpressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In phosphate-buffered Saline (pH 7.4) containing 1mM DTT, 2mM EDTA</p> <p>Molecular Weight: 19.2 kDa (174 aa) , confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MPRRAENWDE AEVGAEAGV EEYGPEEDGG EESGAEESGP EESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVVLVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFK DAGTHDGLLV NQTELVPSL NVDGQPIFAN ITLP</p>	

General references:

Latif F., *et al.* (1993) *Science*. 260(5112):1317-20

Duan DR., *et al.* (1995) *PNAS*. 92(14):6459-63

Maxwell PH., *et al.* (1999) *Nature* 399(6733):271-5

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Warning

For research use only. This product is not intended or approved for human, diagnostics or veterinary use

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