VHL
Recombinant Human Von-Hippel-Lindau Tumor Suppressor Protein His

Catalog No.	CRV108A	**Quantity:**	10 µg
	CRV108B		50 µg
	CRV108C		1.0 mg

Alternate Names: Von Hippel-Lindau disease tumor suppressor, pVHL, Protein G7, VHL, RCA1, VHL1, HRCA1.

Description: Von Hippel-Lindau disease 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 NH_2-terminal domain rich in b-domain and a smaller alpha-helical domain (a-domain), held together by two linkers and a polar interface. VHL protein is also involved in the degradation of hypoxia-inducible factor (HIF).

Recombinant Human Von Hippel-Lindau Protein b-domain is a single, non-glycosylated polypeptide chain containing aa 1-154 fused to a 20 aa His-Tag at the N-terminus for a total of 174 aa.

Physical Appearance: Sterile filtered colorless solution.

GeneID: 7428

Source: *E. coli*

Molecular Mass: 19.2 kDa

Formulation: The Von Hippel-Lindau Protein contains PBS + pH-7.4 + 2 mM EDTA + 1 mM DTT.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Purification: Purified by proprietary chromatography techniques.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MPRRAENWDE AEVGAEEAGV EEYGPEEDGG EESGAEESGPEESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVVLPVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFR DAGTHDGLLV NQTELFVPSL NVDGQPIFAN ITLP.

Storage & Stability: Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Avoid multiple freeze-thaw cycles.**

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