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California Bioscience

Product Datasheet

Product Name	Von Hippel-Lindau Protein Human Recombinant
Cata No	CB501060
Source	*Escherichia Coli.*
Synonyms	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 sheet (b-domain) and a smaller a-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 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 174 amino acids (1-154) & having a molecular mass of 19.2 kDa. The Von Hippel-Lindau antigen is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatography techniques.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Formulation

The Von Hippel-Lindau Protein contains 1x PBS pH-7.4, 2mM EDTA, and 1mM DTT.

Stability

Store at 4℃ if entire vial will be used within 2-4 weeks.
Store, frozen at -20℃ 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.

Sequence

MGSSHHHHHH SSGLVPRGSH MPRRAENWDE AEVGAEEAGV EEYGPEEDGG EESGAEESGPEESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVVLPVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFR DAGTHDGLLV NQTELFVPSL NVDGQPIFAN ITLP

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