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Certificate of Analysis and Data Sheet

Recombinant Human Von Hippel-Lindau Protein

Catalog No.
228-11633

Source:
Escherichia Coli.

Synonyms

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

Introduction

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 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).

Description

Recombinant Human Von Hippel-Lindau Protein β -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.

Formulation

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

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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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).

Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MPRAENWDE AEVGAEAGV EEYGPEEDGG
EESGAEESGPEESGPEELGA EEEMEAGRPR PVLRSVNSRE PSQVIFCNRS PRVLPVWLN
FDGEPQPYPT LPPGTGRRIH SYRHLWLFR DAGTHDGLLV NQTELFVPSL NVDGQPIFAN
ITLP.

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