



Recombinant Dog Von Hippel-Lindau disease tumor suppressor (VHL)

Product Code	CSB-EP715952DO-B
Abbreviation	VHL
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q5Q9Z2
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	MPRKAGSVVEE AEAGAEVGA EEVGPEESGG EESGAEESGP EESDPEEPGA AAEMEAGQPR PVLRSVNSCE PSQVIFCNRS PRVVLPVWLN FDGEPQPYPT LPPGTGRRIH SYRGHLWLFV DAGTYDGLLV NQTELFVPSL NVDGQPIFAN IITLPVYTLKE RCLQVVRSLV KPENYRRLDI VRSLYEDLED HPNVRKDLER LAQEHIENQR MEGETEDFN
Source	E.coli
Target Names	VHL
Protein Names	Recommended name: Von Hippel-Lindau disease tumor suppressor Alternative name(s): pVHL
Expression Region	1-219
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. This protein is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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