



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

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP715952DO  |
| <b>Abbreviation</b>      | VHL   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q5Q9Z2  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Canis lupus familiaris (Dog) (Canis familiaris)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MPRKAGSVVEE AEAGAEVGA EEVGPEESGG EESGAEESGP<br>EESDPEEPGA AAEMEAGQPR PVLRSVNSCE PSQVIFCNRS PRVVLPVWLN<br>FDGEPQPYPT LPPGTGRRIH SYRGHLWLFV DAGTYDGLLV NQTELFVPSL<br>NVDGQPIFAN ITLPVYTLKE RCLQVVRSLV KPENYRRLDI VRSLYEDLED<br>HPNVRKDLER LAQEHIENQR MEGETEDFN  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | VHL   |
| <b>Protein Names</b>     | Recommended name: Von Hippel-Lindau disease tumor suppressor Alternative name(s): pVHL  |
| <b>Expression Region</b> | 1-219   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | full length protein   |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.

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### Shelf Life

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