



# Recombinant Rat Von Hippel-Lindau disease tumor suppressor (Vhl)

<b>Product Code</b>	CSB-EP727052RA-B
<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. 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>	Q64259
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPRKAASPEE AERMPSGSEEI EAGRPRPVLR SVNSREPSQV IFCNRSRQV LPLWLNFDGE POPYPTLPPG TGRRIHSYRG HLWLFRDAGT HDGLLVNQTE LFVPSLNVGD QPIFANITLP VYTLKERCLQ VVRSLVKPEN YRRLDIVRSL YEDLEDHPNV RKDIQRLTQE HLENQALGEE PEGVH
<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>	1-185
<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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