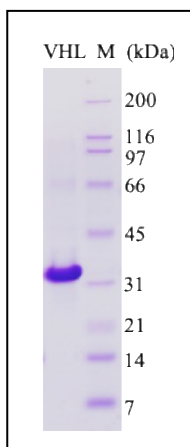


Recombinant VHL Protein

Catalog Number	Size
AG1110-10	10ug
AG1110-25	25ug
AG1110-B	Bulk

Description



The human von Hippel-Lindau (VHL) tumor suppressor protein was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 243 (13+230) amino acids with an 6His tag and TEV protease site at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 32kDa.

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MHHHHHHHENVYFQGLNDIFEAQKIEWHEFHMPPRAENWDEAEVGAE EAG
VEEYGP EEDGG EESGAEESGPEESGPEELGAE EEMEAGRPRPVLRSVNS
REPSQVIFCNRSPRVVLPVWLNFDGEPQPYPTLPPGTGRRIHHSYRGHLW
LFRDAGTHDGLLVNQTELFVPSLNV DGGQPIFANITLPVYTLKERCLQVV
RSLVKPENYRRLDIVRSLYEDLEDHPNVQKDLERLTQERIAHQRMGD-
```

Accession Number

NM_000551

Molecular Mass

Approximately 32kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The VHL tumor suppressor protein acts as a multifunctional factor and plays an essential role in ubiquitination, preventing angiogenesis and tumor development by directly or indirectly interacting with transcription factor HIF, tumor suppressor p53, onco-protein MDM2 and others. The recombinant VHL protein can be used for the studies of transcription assays, protein-protein interactions, effect of biotinylation and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (**Avoid repeated freeze-thaw cycle**)

FOR RESEARCH USE ONLY!!!