

Product Name: VHL/ELOB/ELOC

Alternate Names: von Hippel-Lindau

Product Code: TE3-019

Quantity: 25 µg

FOR RESEARCH USE ONLY (RUO)

Storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 24 months from date of receipt).

Verified Applications / Usage

VHL/ELOB/ELOC is active in ternary complex formation assays using recombinant BRD4 and the degrader molecule MZ1.

Physical Characteristics

Species: Homo sapiens
(Human);Human

Predicted MW (kDa): 27 kDa
(VHL) / 13 kDa (ELOB) / 12 kDa
(ELOC)

Source: Sf9 (S. frugiperda)

Purity: 95%

Concentration: 10 - 30 µM

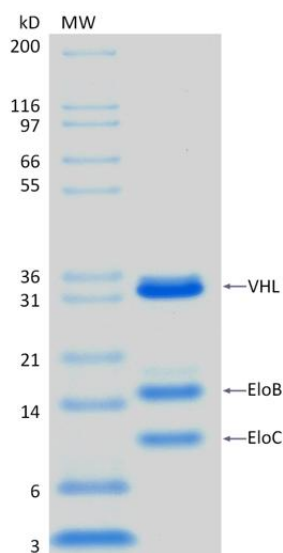
Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE



2 µg VHL/ELOB/ELOC run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Protein ID: Elongin-B;Elongin-C;von Hippel-Lindau disease tumor suppressor

Activity Assay

Ternary Complex Assay

Background

Description

VHL is the substrate receptor of the CUL2-RING E3 ligase CRL2-VHL. Recombinant human VHL is co-purified as a stable heterotrimer with its adaptor proteins Elongin-B and Elongin-C. When combined with recombinant CUL2/RBX1, this fusion is capable of ubiquitylating substrates in vitro. VHL has an N-terminal His8

Accession Number:

P40337;Q15369;Q15370

Entrez Gene ID:

ELOB;ELOC;VHL

Protein Sequence

MDGEEKTYGGCEGPDAMYVKLISSDGHEFIVKREHALTS GTIKAMLSGP
GQFAENETNEVNFREIPSHVLSKVC MYFTYKVRYTNSSTEIPEFPIAPEIA
LELLMAANFLDC;MDVFLMIRRHKTTIFTDAKESSTVFELKRIVEGILKRP
PDEQRLYKDDQLLDDGKTLGECGFTSQTARPQAPATVGLAFRADDTFE
ALCIEPFSSPPELPDVMKPQDSGSSANEQAVQ;MGHHHHHHHHHGSGSL
EVLFQGP GSMPRRAENWDEAEVGAE EAGVEEYGPPEEDGGEE SGAEE
SGPEESGPEELGAE EEMEAGRPRPVLR SVNSREPSQVIFCNRSPRVVL
PVWLNFDGEPQPYPTLPPGTGRRIHSYRGHLWLFRDAGTHDGLLVNQT
ELFVPSLNV DGQPIFANITLPVYTLKERCLQVVRSLVKPENYRRLDIVRSL
YEDLEDHPNVQKDLERLTQERIAHQRMGD