**MATERIAL DATA SHEET**

**Elongin B/C-VHL Complex, human recombinant**  
**Cat. # E3-600**

Together, Elongin B (ELOB) and Elongin C (ELOC) form a heterodimer that serves as the regulatory subunit for the elongin complex—a general transcription elongation factor that increases RNA Polymerase II transcription through template-encoded arresting sites. The ELOB/ELOC complex also binds to the “BC-box motif” found in many proteins in the VHL-box and SOCS-box protein families. In this function, ELOB/ELOC serves as an adapter between substrate recognition proteins and either Cullin-2/Rbx1 (in VHL-box E3 Ubiquitin ligases) or Cullin-5/Rbx2 (in SOCS-box E3 Ubiquitin ligases). VHL (von Hippel-Lindau disease tumor suppressor) is the substrate recognition subunit for an E3 ligase activity that ubiquitinates proteins containing hydroxyproline residues. Targets of VHL include HIF1α, β2 adrenergic receptor, ZHX2 and others. This protein complex is untagged.

### Product Information

| Quantity: | 50 µg |
| Stock: | X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 10% (v/v) Glycerol, 2 mM DTT |
| MW: | 24 kDa (VHL), 13.1 kDa (ELOB), 12.8 kDa (ELOC) |
| Purity: | > 95% by SDS-PAGE by SDS-PAGE under reducing conditions and visualized with Colloidal Coomassie Blue Stain. |

### Use & Storage

**Use:** Typical protein concentration for use *in vitro* will depend on experimental conditions.

**Storage:** Store at -80°C. Avoid multiple freeze/thaw cycles.

### Literature

**References:**  

*For Laboratory Research Use Only, Not For Use in Humans*

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