

## 32-5232: Recombinant Human Vacuolar Protein Sorting 25

**Alternative Name :** Vacuolar protein sorting 25 homolog (S. cerevisiae), vacuolar protein-sorting-associated protein 25, ELL-associated protein of 20 kDa, ESCRT-II complex subunit VPS25, Dermal papilla-derived protein 9, DERP9, EAP20, FAP20, MGC10540.

### Description

Source : E.coli. VPS25 Human Recombinant produced in E. coli is a single polypeptide chain containing 200 amino acids (1-176) and having a molecular mass of 23.3kDa. VPS25 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. VPS25 contains the ESCRT-II complex (endosomal sorting complex required for transport II), that is needed for sorting of endosomal cargo proteins into MVBs and multivesicular body (MVB) formation. The MVB pathway facilitates transport of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex takes part in the recruitment of the ESCRT-III complex which is involved in transcription regulation, probably through its collaboration with ELL.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** The VPS25 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, and 20% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGS HMAMSF E WPWQYRFPP FTLQPNVDTR QKQLAAWCSL  
VLSFCRLHKQ SSMTVMEAQE SPLFNNVKLQ RKL PVESIQI VLEELRKKGN LEWLDKSKSS  
FLIMWRRPEE WGKLIQWVS RSGQNNSVFT LYELTNGEDT EDEEFHGLDE ATLLRALQAL  
QQEHKAEIIT VSDGRGVKFF

