

Product information



VPS25, 1-176aa

Human, His-tagged, Recombinant, *E.coli*

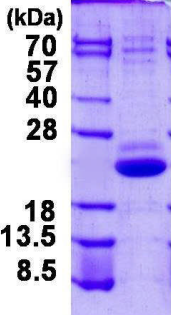
Cat. No. IBATGP1447

Full name: Vacuolar protein-sorting-associated protein 25

NCBI Accession No.: NP_115729

Synonyms: DERP9, EAP20, FAP20

Description: VPS25, also known as vacuolar protein-sorting-associated protein 25, consists of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may play a role in transcription regulation, possibly via its interaction with ELL. Recombinant human VPS25 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl</p> <p>Molecular Weight: 23.3 kDa(200aa), confirmed by MALDI-TOF</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MGSMMAMSE WPWQYRFPPF FTLQPNVDTR QKQLAAWCSL VLSFCRLHKQ SSMTVMEAQE SPLFNNVKLQ RKLPVESIQI VLEELRKKGN LEWLDKSKSS FLIMWRPEE WGKLIYQWVS RSGQNNVFT LYELTNGEDT EDEEFHGLDE ATLLRALQAL QQEHKAEIIT VSDGRGVKFF</p>	

General references:

Bailey,S.D. *et al.* (2010) Diabetes Care 33 (10), 2250-2253

Talmud,P.J. *et al.* (2009) Am. J. Hum. Genet. 85 (5), 628-642

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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