

AR50272PU-S

Human VPS25 (1-176, His-tag) - Purified

Alternate names:

DERP9, Dermal papilla-derived protein 9, EAP20, ELL-associated protein of 20 kDa, ESCRT-II complex subunit VPS25, Vacuolar protein-sorting-associated protein 25

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9BRG1](#)

NCBI:

[NP_115729](#)

GeneID:

[84313](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl

Description:

Recombinant human VPS25 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMMAMSFE WPWQYRFPPF FTLQPNVDTR QKQLAAWCSL
VLSFCRLHKQ SSMTVMEAE SPLFNNVKLQ RKLVPESIQI VLEELRKKGN LEWLDKSKSS
FLIMWRRPEE WGKLIYQWVS RSGQNNVFT LYELTNGEDT EDEEFHGLDE ATLLRALQAL
QQEHKAEIIT VSDGRGVKFF

Molecular weight: 23.3 kDa (200aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

