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Recombinant human VPS25 protein

Catalog Number: ATGP1447

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-176aa

UniProt No.

O9BRG1

NCBI Accession No.

NP 115729

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

23.3 kDa (200aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol 0.1M Nacl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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



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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.

Amino acid Sequence

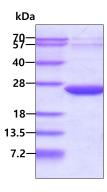
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General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

