

# Recombinant human VPS26A protein

Catalog Number: ATGP1642

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-327aa

### UniProt No.

O75436

### NCBI Accession No.

NP\_004887

### Alternative Names

VPS26 retromer complex component A, Vacuolar protein sorting-associated protein 26A, Vesicle protein sorting 26A, hVPS26, VPS26, Hbeta58, PEP8A

## PRODUCT SPECIFICATION

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### Molecular Weight

40.6 kDa (350aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M 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

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### Description

VPS26A, also known as vacuolar protein sorting-associated protein 26A, is essential component of the retromer complex, a complex required to retrieve lysosomal enzyme receptors (IGF2R and M6PR) from endosomes to the trans-Golgi network. Also this protein is required to regulate transcytosis of the polymeric immunoglobulin receptor (plgR-plgA). Recombinant human VPS26A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

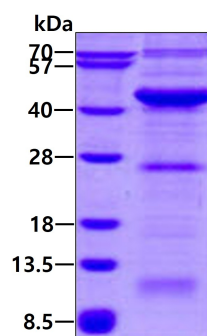
<MGSSHHHHHH SSGLVPRGSH MGS>MSFLGGF FGPICEIDIV LNDGETRKMA EMKTEDGKVE KHYLFYDGES  
VSGKVNLA FK QPGKRLEHQG IRIEFVQGIE LFNDKSN THE FVNLVKELAL PGELTQSR SY DFEFMQVEKP YESYIGANVR  
LRYFLKVTIV RRLTDLVKEY DLIVHQLATY PDVNN SIKME VGIEDCLHIE FEYNKSKYHL KDVIVGKIYF LLVRIKIQHM  
ELQLIKKEIT GIGPSTTTET ETIAKYEIMD GAPVKGESIP IRLFLAGYDP TPTMRDVNKK FSVRYFLNLV LVDEEDRRYF  
KQQEILWRK APEKLRKQRT NQHQR FESPE SQASAEQPEM

## General References

Verges M., et al. (2004) Nat. Cell Biol. 6:763-769  
Gullapalli A., et al. (2006) Mol. Biol. Cell. 17:1228-1238

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.