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Recombinant human VPS26A protein

Catalog Number: ATGP1642

PRODUCT INFORMATION

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

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

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 (pIgR-pIgA). 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

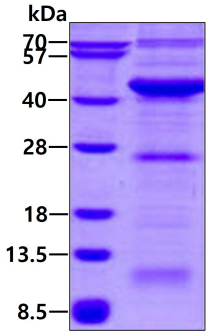
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General References

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



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