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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

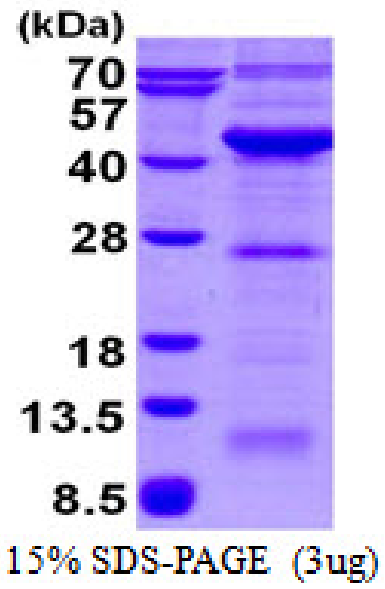
MGSSHHHHHH SSGLVPRGSH MGSMSFLGGF FGPICEIDIV LNDGETRKMA EMKTEDGKVE KHYLFYDGES VSGKVNLAFK QPGKRLEHQG IRIEFVGQIE LFNDKSNTHE FVNLVKELAL PGELTQSRSY DFEFMQVEKP YESYIGANVR LRYFLKVTIV RRLTDLVKEY DLIVHQLATY PDVNNSIKME VGIEDCLHIE FEYNKSKYHL KDVIVGKIYF LLVRIKIQHM ELQLIKKEIT GIGPSTTTET ETIAKYEIMD GAPVKGESIP IRLFLAGYDP TPTMRDVNKK FSVRYFLNLV LVDEEDRRYF KQQEIILWRK APEKLRKQRT NFHQRFESPE 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



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