

Recombinant human VPS4B protein

Catalog Number: ATGP2352

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-444aa

UniProt No.

O75351

NCBI Accession No.

NP_004860.2

Alternative Names

Vacuolar protein sorting 4 homolog B, Vacuolar protein sorting-associated protein 4B, Cell migration-inducing gene 1 protein, Suppressor of K(+) transport growth defect 1, Protein SKD1, SKD1B, VPS4-2, MIG1

PRODUCT SPECIFICATION

Molecular Weight

51.8 kDa (468aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity

> 90% 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

Vacuolar protein sorting-associated protein 4B, also known as VPS4B, belongs to the AAA (ATPases associated with diverse cellular activities) family. It is involved in late steps of the endosomal multivesicular bodies (MVB) pathway and recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Dominant negative mutant of VPS4B inhibit vacuolar protein sorting and also arrest HIV-1 and MLV budding. Recombinant human VPS4B protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MSSTSP NLQKAIDLAS KAAQEDKAGN YEEALQLYQH AVQYFLHVVK
YEAQGDKAKQ SIRAKCTEYL DRAEKLKEYL KNKEKKAQKP VKEGQPSPAD EKGNDSDGEG ESDDPEKKKL QNQLQGAIVI
ERPNVKWSDV AGLEGAKEAL KEAVILPIKF PHLFTGKRTP WRGILLFGPP GTGKSYLAKA VATEANNSTF FSISDDLVS
KWLGESEKLV KNLFQLAREN KPSIIFIDEI DSLCGSRSEN ESEAARRIKT EFLVQMGGVG VDNDGILVLG ATNIPWVLDS
AIRRRFEKRI YIPLPEPHAR AAMFKLHLGT TQNSLTEADF RELGRKTDGY SGADISIIVR DALMQPVRKV QSATHFKKVR
GPSRADPNHL VDDLLTPCSP GDPGAIEMTW MDVPGDKLLE PVVMSMDMLR SLSNTKPTVN EHDLLKLLKF TEDFGQEG

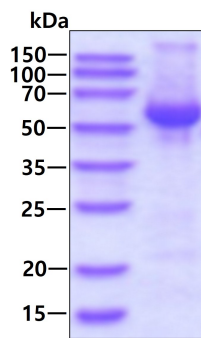
General References

Scheuring S., et al. (2001) J Mol Biol. 312:469-480.

Perez O D., et al. (2001) Immunity. 15:687-690

DATA

SDS-PAGE



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