

# Recombinant human VPS4B protein

Catalog Number: ATGP2352

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

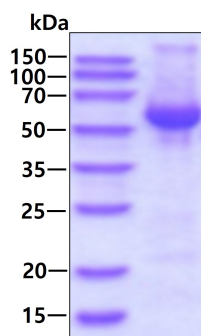
## General References

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.