

AR51176PU-S**Human VPS4B (1-444, His-tag) - Purified****Alternate names:**

SKD1, Suppressor of K(+) transport growth defect 1, VPS42, Vacuolar protein sorting-associated protein 4B

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[O75351](#)**NCBI:**[NP_004860](#)**GeneID:**[9525](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT**Description:**

Recombinant human VPS4B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MSHMSSTSP NLQKAIDLAS KAAQEDKAGN YEEALQLYQH
AVQYFLHVVK YEAQGDKAKQ SIRAKCTEYL DRAEKLKEYL KNKEKKAQKP VKEGQPSPAD
EKGNDSDGEG ESDDPEKKKL QNQLQGAIVI ERPNVKWSDV AGLEGAKEAL KEAVILPIKF
PHLFTGKRTP WRGILLFGPP GTGKSYLAKA VATEANNSTF FSISDDLVS KWLGESEKLV
KNLFLQAREN KPSIIFIDEI DSLCGSRSEN ESEAARRIKT EFLVQMQGVG VNDGILVLG
ATNIPWVLDS AIRRRFEKRI YIPLPEPHAR AAMFKLHLGT TQNSLTEADF RELGRKTDGY
SGADISIIVR DALMQPVRKV QSATHFKKVR GPSRADPNHL VDDLLTPCSP GDPGAIEMTW
MDVPGDKLLE PVVMSDMLR SLSNTKPTVN EHDLLKLLKF TEDFGQEG

Molecular weight: 51.8 kDa (468aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Scheuring S., et al. (2001) J Mol Biol. 312:469-480. Perez O D., et al. (2001) Immunity. 15:687-690

Pictures:

