Recombinant Human vacuolar protein sorting 4 homolog B (S. cerevisiae), His-tagged

Cat. No. VPS4B-269H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VPS4B, 1-444aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-444 a.a.
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 expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT
Molecular Mass	51.8 kDa (468aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMSSTSP NLQKAIDLAS KAAQEDKAGN YEEALQLYQH AVQYFLHVVK YEAQGDKAKQ SIRAKCTEYL DRAEKLKEYL

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	KNKEKKAQKP VKEGQPSPAD EKGNDSDGEG ESDDPEKKKL QNQLQGAIVI ERPNVKWSDV AGLEGAKEAL KEAVILPIKF PHLFTGKRTP WRGILLFGPP GTGKSYLAKA VATEANNSTF FSISSSDLVS KWLGESEKLV KNLFQLAREN KPSIIFIDEI DSLCGSRSEN ESEAARRIKT EFLVQMQGVG VDNDGILVLG ATNIPWVLDS AIRRRFEKRI YIPLPEPHAR AAMFKLHLGT TQNSLTEADF RELGRKTDGY SGADISIIVR DALMQPVRKV QSATHFKKVR GPSRADPNHL VDDLLTPCSP GDPGAIEMTW MDVPGDKLLE PVVSMSDMLR SLSNTKPTVN EHDLLKLKKF TEDFGQEG
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	VPS4B vacuolar protein sorting 4 homolog B (S. cerevisiae) [Homo sapiens]
Official Symbol	VPS4B
Synonyms	VPS4B; vacuolar protein sorting 4 homolog B (S. cerevisiae); SKD1, suppressor of K+ transport defect 1 , vacuolar protein sorting 4B (yeast); vacuolar protein sorting-associated protein 4B; SKD1B; VPS4 2; cell migration-inducing 1; vacuolar protein sorting 4B; suppressor of K+ transport defect 1; cell migration-inducing gene 1 protein; suppressor of K(+) transport growth defect 1; MIG1; SKD1; VPS4-2;
Gene ID	9525
mRNA Refseq	NM_004869

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Protein Refseq	NP_004860
MIM	609983
UniProt ID	O75351
Chromosome Location	18q21.33
Pathway	CXCR4-mediated signaling events, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Endosomal Sorting Complex Required For Transport (ESCRT), organism-specific biosystem; Membrane Trafficking, organism-specific biosystem;
Function	ATP binding; ATPase activity; ATPase activity; ATPase activity, coupled; nucleotide binding; protein C-terminus binding; protein binding;

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