
Product Data Sheet

Product Name: VPS4B Human
 Cat. No.: GP24993
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Vacuolar Protein Sorting 4 Homolog B (S. Cerevisiae); SKD1; Suppressor Of K+ Transport Defect 1; Cell Migration-Inducing Gene 1 Protein; Suppressor Of K(+) Transport Growth Defect 1; Vacuolar Protein Sorting 4B (Yeast); SKD1B; PS4-2; Cell Migration-Inducing 1; Vacuolar Protein Sorting 4B; Vacuolar Protein Sorting-Associated Protein 4B; EC 3.6.4.6; VPS42; Protein SKD1.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSMSSTSP NLQKIDLAS KAAQEDKAGN YEEALQLYQH AVQYFLHVVK YEAQGDKAKQ SIRAKCTEYL DRAEKLKEYL KNKEKKAQKP VKEGQPSPAD EKGNDSDGEG ESDDPEKKKL QNQLQGAIVI ERPNVKWSDV AGLEGAKEAL KEAVILPIKF PHLFTGKRTP WRGILLFGPP GTGKSYLAKA VATEANNSTF FSISSDLVS KWLGESEKLV KNLFQLAREN KPSIIFIDEI DSLCGSRSEN ESEAARRIKT EFLVQMVGVD VDNLDGILVLG ATNIPWVLDS AIRRRFEKRI YIPLPEPHAR AAMFKLHLGT TQNSLTEADF RELGRKTDGY SGADISIIVR DALMQPVRKV QSATHFKKVR GPSRADPNHL VDDLLTPCSP GDPGAIEMTW MDVPGDKLLE PVVMSDMLR SLSNTKPTVN EHDLLKLLKF TEDFGQEG.</p>		
Formulation	VPS4B protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol, 1mM DTT.		

Introduction

Vacuolar protein sorting-associated protein 4B (VPS4B) is a member of the AAA (ATPases associated with diverse cellular activities) family. VPS4B is involved in late steps of the endosomal multivesicular bodies (MVB) pathway and recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, probably in combination with membrane fission. A dominant negative mutant of VPS4B inhibits vacuolar protein

Caution: Product has not been fully validated for medical applications. For research use only.

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sorting and also arrest HIV-1 and MLV budding.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

VPS4B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 468 amino acids (1-444 a.a) and having a molecular mass of 51.8kDa. VPS4B is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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