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VPS4B Human

Vacuolar Protein Sorting 4 Homolog B Human Recombinant
RCP2562

Product Overview

Name	VPS4B Human

Description

Vacuolar Protein Sorting 4 Homolog B Human Recombinant

Accession (Primary)	O75351

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.

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 sorting and also arrest HIV-1 and MLV budding.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

VPS4B protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 30% glycerol, 1mM DTT.

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MSSTSP NLQKAIDLAS KAAQEDKAGN YEEALQLYQH AVQYFLHVVK

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YEAQGDKAKQ SIRAKCTEYL DRAEKLKEYL 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.

Precautions

VPS4B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O75351)