

VPS4B, 1-444aa, Human, His tag, E.coli

Cat.NO.: TP04486

3th Edition

Synonyms: Vacuolar protein sorting-associated protein 4B, MIG1, SKD1, SKD1B, VPS4-2

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 Weight: 51.8 kDa (468aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSSTSPNLQKAIDLASKAAQEDKAGNYEEALQLYQHAVQYFLHVVKYEAQ
GDKAKQSIRAKCTEYLDRAEKLKEYLKNKEKKAQKPVKEGQPSPADEKGNDSGEGESDDPEKKKLQNQLQGAIVI
ERP NVK WSDVAGLEGAKEALKEAVILPIKFPHLFTGKRTPWRGILLFGPPGTGKSYLAKAVATEANNSTFFSISSSDL
VSKWLG ESEKLVKNLFLQ LARENKPSIIFIDEIDSLCGSRSENESEAARRIKTEFLVQMGGVGVNDNDGILVLGATNIPW
VLDSAIRRRFEKRIYIPLPEPHARAAMFKLHLGTTQNSLTEADFRELGRKTDGYSGADISIIVRDALMQPVRKVQSAT
HFKKVRGPRADPNHLVDDLLTPCSPGDPGAIEMTWMDVPGDKLLEPVVMSDMLRSLSN TKPTVNEHDLLK LKK
FTEDFGQEG

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.