

Datasheet for ABIN7491269

VPS4A Protein (AA 1-437) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	VPS4A
Protein Characteristics:	AA 1-437
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This VPS4A protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human VPS4 Protein with C-terminal 6xHis tag
Specificity:	VPS4 (Met1-Ser437) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	VPS4A
Alternative Name:	VPS4 (VPS4A Products)
Background:	The protein encoded by this gene is a member of the AAA protein family (ATPases associated

Target Details

with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. The mouse Skd1 (suppressor of K transport defect 1) has been shown to be really an yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 16, the gene for the other resides on chromosome 18. [provided by RefSeq, Jul 2008]

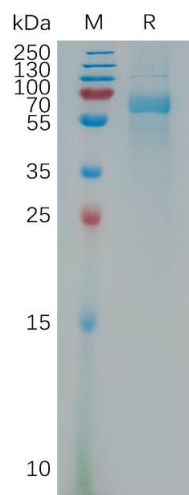
Molecular Weight:	predicted molecular mass of 49.7 kDa after removal of the signal peptide. The apparent molecular mass of VPS4-His is 55-70 kDa due to glycosylation.
UniProt:	Q9UN37
Pathways:	Microtubule Dynamics , CXCR4-mediated Signaling Events

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human Protein, His Tag on SDS-PAGE under reducing condition.