

Recombinant Human VPS4A cell lysate

Cat. No. VPS4A-1914HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Description

The protein encoded by this gene is a member of the AAA protein family (ATPases associated 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.

Size 100 ul

Storage Buffer 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications Western Blot;

GENE INFORMATION

Gene Name VPS4A vacuolar protein sorting 4 homolog A (*S. cerevisiae*) [*Homo sapiens*]

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Official Symbol	VPS4A
Synonyms	VPS4A; vacuolar protein sorting 4 homolog A (S. cerevisiae); vacuolar protein sorting 4A (yeast homolog) , vacuolar protein sorting 4A (yeast); vacuolar protein sorting-associated protein 4A; FLJ22197; SKD1; SKD1A; SKD2; VPS4; VPS4 1; hVPS4; SKD1-homolog; vacuolar sorting protein 4; vacuolar protein sorting factor 4A; VPS4-1;
Gene ID	27183
mRNA Refseq	NM_013245
Protein Refseq	NP_037377
MIM	609982
UniProt ID	Q9UN37
Chromosome Location	16q23.1
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, coupled; Rho GTPase binding; nucleoside-triphosphatase activity; nucleotide binding; protein C-terminus binding; protein binding; protein domain specific binding;