

## Recombinant Human VPS4A cell lysate

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

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	<p>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<sup>+</sup> 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.</p>
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	VPS4A vacuolar protein sorting 4 homolog A ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]
<b>Official Symbol</b>	VPS4A

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<b>Synonyms</b>	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;
<b>Gene ID</b>	27183
<b>mRNA Refseq</b>	NM_013245
<b>Protein Refseq</b>	NP_037377
<b>MIM</b>	609982
<b>UniProt ID</b>	Q9UN37
<b>Chromosome Location</b>	16q23.1
<b>Pathway</b>	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;
<b>Function</b>	ATP binding; ATPase activity, coupled; Rho GTPase binding; nucleoside-triphosphatase activity; nucleotide binding; protein C-terminus binding; protein binding; protein domain specific binding;

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