

# Recombinant Human VAC14 cell lysate

**Cat. No.** VAC14-1901HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>    | Phosphatidylinositol 3,5-bisphosphate (PI(3,5)P2) is a low-abundance signaling molecule. A regulatory complex made up of VAC14 and FIG4 (MIM 609390) control synthesis of PI(3,5)P2 by activating PI(3)P kinase, FAB1 (PIP5K3; MIM 609414). The VAC14/FIG4 complex also functions in the breakdown of PI(3,5)P2 (Zhang et al., 2007 [PubMed 17956977]). |
| <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>       | VAC14 Vac14 homolog (S. cerevisiae) [ Homo sapiens ]                                                                                                                                                                                               |
| <b>Official Symbol</b> | VAC14                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | VAC14; Vac14 homolog (S. cerevisiae); Tax1 (human T cell leukemia virus type I) binding protein 2 , TAX1BP2; protein VAC14 homolog; ArPIKfyve; FLJ10305; tax1-binding protein 2; Tax1 (human T-cell leukemia virus type I) binding protein 1; Tax1 |

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(human T-cell leukemia virus type I) binding protein 2; TRX; TAX1BP2; FLJ36622; FLJ46582; MGC149815; MGC149816;

**Gene ID** 55697

**mRNA Refseq** NM\_018052

**Protein Refseq** NP\_060522

**MIM** 604632

**UniProt ID** Q08AM6

**Chromosome Location** 16q22.1

**Pathway** HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem;

**Function** binding; receptor activity;

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