

Recombinant Human VAC14, His-tagged

Cat. No. VAC14-29818TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 640-782 of Human VAC14 with N terminal His tag; 143 amino acids, 18kDa.
Species	Human
Source	E.coli
ProteinLength	640-782 a.a.
Description	The content of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) in endosomal membranes changes dynamically with fission and fusion events that generate or absorb intracellular transport vesicles. VAC14 is a component of a trimolecular complex that tightly regulates the level of PtdIns(3,5)P2. Other components of this complex are the PtdIns(3,5)P2-synthesizing enzyme PIKFYVE (MIM 609414) and the PtdIns(3,5)P2 phosphatase FIG4 (MIM 609390). VAC14 functions as an activator of PIKFYVE (Sbrissa et al.
Conjugation	HIS
Tissue specificity	Ubiquitously expressed.
Form	Lyophilised:Reconstitute with 82 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QNYRHAYDLIQKFGDLEVTVDFLAEVDKLVQLIECPIFTY LRLQLLDVKNNPYLIKALY GLLMLLPQSSAFQLLSHRL QCVPNPELLQTEDSLKAAPKSQKADSPSIDYAELLQHF EKVQNKHLEVRHQRSGRGDHLDRRVVL
Sequence Similarities	Belongs to the VAC14 family.Contains 6 HEAT repeats.
GENE INFORMATION	
Gene Name	VAC14 Vac14 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	VAC14
Synonyms	VAC14; Vac14 homolog (S. cerevisiae); Tax1 (human T cell leukemia virus type I) binding protein 2 , TAX1BP2; protein VAC14 homolog; ArPIKfyve; FLJ10305;
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

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biosystem;

Function

binding; receptor activity;

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