

## VPS33A 抗原（重组蛋白）

中文名称： VPS33A 抗原（重组蛋白）

英文名称： VPS33A Antigen (Recombinant Protein)

别名： VPS33A core subunit of CORVET and HOPS complexes; MPSPS

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to C terminal 200 amino acids of human VPS33A

### 技术规格

<b>Full name:</b>	VPS33A core subunit of CORVET and HOPS complexes
<b>Synonyms:</b>	MPSPS
<b>Swissprot:</b>	Q96AX1
<b>Gene Accession:</b>	BC016617
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	This gene encodes a tethering protein and a core subunit of the homotypic fusion and protein sorting (HOPS) complex. The HOPS complex and a second endosomal tethering complex called the class C core vacuole/endosome tethering (CORVET) complex, perform diverse functions in endocytosis including membrane tethering, RabGTPase interaction, activation and proofreading of synaptic-soluble N-ethylmaleimide-sensitive factor attachment receptor (SNARE) assembly to drive membrane fusion, and endosome-to-cytoskeleton attachment. The HOPS complex controls endosome maturation as well as endosome traffic to the lysosome. This complex is esse

ntial for vacuolar fusion and is required for adaptor protein complex 3-dependent transport from the golgi to the vacuole. The encoded protein belongs to the Sec1/Munc18 (SM) family of SNARE-mediated membrane fusion regulators. Naturally occurring mutations in this gene are associated with a novel mucopolysaccharidosis-like disease.