

## Recombinant Human VPS11, His-tagged

Cat. No. VPS11-30026TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 651-941 of Human VPS11 with an N terminal His tag. MW 36 kDa ;
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	651-941 a.a.
<b>Description</b>	<p>Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles.</p> <p>This gene encodes the human homolog of yeast class C Vps11 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway.</p>
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 58 µl distilled water.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

ISLLKSGRFCDVFDKALVLCQM HDFQDGVLYLYEQGKLFQ QIMHYHMQHEQYRQVI  
 SVCERHGEQDPSLWEQALSYFA RKEEDCKEYVA AVLKHIENKNLMPPLL VVQTLAH  
 NSTA TLSVIRDYLVQKLQKQSQQIAQDELRRVRYREETTRIRQE IQELKASPKIFQKT  
 KCSICNSALELPSVHFLCGHSFHQ HCFESYSESDADCPTCLPENRKVMDMIRAQEQ  
 KRDLHD QFQHQLKCSNDSFSVIADYFGRGVFNKLTLLTDPPTARLT SSLEAGLQRD  
 LLMHSRRGT

## GENE INFORMATION

**Gene Name** VPS11 vacuolar protein sorting 11 homolog (*S. cerevisiae*) [ *Homo sapiens* ]

**Official Symbol** VPS11

**Synonyms** VPS11; vacuolar protein sorting 11 homolog (*S. cerevisiae*); vacuolar protein sorting 11 (yeast homolog); vacuolar protein sorting-associated protein 11 homolog; PEP5; RNF108;

**Gene ID** 55823

**mRNA Refseq** NM\_021729

**Protein Refseq** NP\_068375

**MIM** 608549

**Uniprot ID** Q9H270

**Chromosome Location** 11q23

**Function** metal ion binding; nucleotide binding; zinc ion binding;

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