

Recombinant Human VPS16, His-tagged

Cat. No. VPS16-31738TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 334-839 of Human VPS16 with N terminal His tag; 506 amino acids, 59kDa.
Species	Human
Source	E.coli
ProteinLength	334-839 a.a.
Description	<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. This gene encodes the human homolog of yeast class C Vps16 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. Two transcript variants encoding different isoforms have been found for this gene.</p>
Conjugation	HIS
Form	Lyophilised:Reconstitute with 104 µl distilled water.
Storage buffer	Preservative: None Constituents: 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

SEEIFKIASMAPGALLLEAQKEYEKESQKADEYLREIQEL GQLTQAVQQCIEAAGHE
 HQPDMQKSLLRRAASFGKCFD RFPDPSFVHMCQDLRVLNAVRDYHIGIPLTYSQYK
 QLT IQVLLDRLVLRRLYPLAIQICEYLRLPEVQGVSRILAHWA CYKVQQKDVSDDEDV
 ARAINQKLGDTPGVSYSDIAARAY GCGRTELAIKLLEYEPRSGEQVPLLLKMKRSKL
 ALSKA IESGDTDLVFTVLLHLKNELNRGDFFMTRLNQPMAISLYR QFCKHQELETL
 KDLYNQDDNHQELGSFHIRASYAAEER IEGRVAALQTAADAFYKAKNEFAAKATED
 QMRLRLQR RLEDELGGQFLDLSLHDTVTTLILGGHNKRAEQLARDFRI PDKRLWW
 LKLTALADLEDWEELEKFSKSKSPIGYLPF VEICMKQHKNKYEAKKYASRVGPEQKV
 KALLLVGDVAQA ADVAIEHRNEAELSLVLSHCTGATDGATADKIQRARAQAQKK

GENE INFORMATION

Gene Name [VPS16 vacuolar protein sorting 16 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol [VPS16](#)

Synonyms VPS16; vacuolar protein sorting 16 homolog (S. cerevisiae); vacuolar protein sorting-associated protein 16 homolog;

Gene ID [64601](#)

mRNA Refseq [NM_022575](#)

Protein Refseq [NP_072097](#)

MIM [608550](#)

Uniprot ID [Q9H269](#)

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Chromosome Location	20p13
Function	actin filament binding;

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