

Recombinant Human VPS11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VPS11-687H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VPS11 MS Standard C13 and N15-labeled recombinant protein (NP_068375) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 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. Alternative splicing results in multiple transcript variants.
Molecular Mass	107.6 kDa
AA Sequence	MAAYLQWRRFVFFDKELVKEPLSNDGAAPGATPASGSAASKFLCLPPGITVCDSGR GSLVFGDMEGQIWFLPRSLQLTGFGAYKLRVTHLYQLKQHNILASVGEDEEGINPLV KIWNLEKRDGGNPLCTRIFPAIPGTEPTVVSCLTVHENLNFMAIGFTDGSVTLNKGDI TRDRHSKTQILHKGNYPTGLAFRQAGKTTTHLFVVTENVQSYIVSGKDYPVELDT HGCGLRCSALSDPSQDLQFIVAGDECYLYQPDERGPCFAFEGHKLIAHWFRGYLII

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VSRDRKVSPKSEFTSRDSQSSDKQILNIYDLCNKFIAYSTVFEDVVDVLAEWGSLYVL
 TRDGRVHALQEKDTQTKLEMLFKKNLFEMAINLAKSQHLDSDGLAQIFMQYGDHLY
 SKGNHDGAVQQYIRTIGKLEPSYVIRKFLDAQRIHNLTAYLQTLHRQSLANADHTTLL
 LNCYTKLKDSSKLEEFIKKKSESEVHFDVETAIKVLRQAGYYSHALYLAENHAHHEW
 YLKIQLEDIKNYQEALRYIGKLPFEQAESNMKRYGKILMHHIPEQTTQLLKGLCTDYR
 PSLEGRSDREAPGCRANSEEFIPIFANNPRELKAFLEHMSEVQPDSPQGIYDTLLEL
 RLQNWAHEKDPQVKEKLHAEAISLLKSGRFCDVFDKALVLCQMhDFQDGVLYLYEQ
 GKLFQQIMHYHMQHEQYRQVISVCERHGEQDPSLWEQALSIFARKEEDCKEYVAA
 VLKHIEKNLMPPLLVVQTLAHNSTATLSVIRDYLVQKLQKQSQQIAQDELVRVRYRE
 ETTRIRQEIQLKASPKIFQKTKCSICNSALELPSVHFLCGHSFHQHCSESSESAD
 CPTCLPENRKVMDMIRAQEQKRDLDHDFQHLRCSNDSFSVIADYFGRGVFNKLT
 LTDPPTARLTSSLEAGLQRDLLMHSRRGTTTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name VPS11 VPS11 core subunit of CORVET and HOPS complexes [Homo sapiens (human)]

Official Symbol VPS11

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Synonyms	VPS11; vacuolar protein sorting 11 homolog (<i>S. cerevisiae</i>); vacuolar protein sorting 11 (yeast homolog); vacuolar protein sorting-associated protein 11 homolog; PEP5; RNF108; RING finger protein 108; vacuolar protein sorting protein 11; END1; hVPS11;
Gene ID	55823
mRNA Refseq	NM_021729
Protein Refseq	NP_068375
MIM	608549
UniProt ID	Q9H270
SDS-PAGE	