

1 VPS41

The 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 ortholog of yeast Vps41 protein which is also conserved in *Drosophila*, tomato, and *Arabidopsis*. Expression studies in yeast and human indicate that this protein may be involved in the formation and fusion of transport vesicles from the Golgi.

Several transcript variants encoding different isoforms have been described for this gene, however, the full-length nature of not all is known. The gene is slightly upregulated in human and bat after 7h and 23h of infection with the Ebola and Marburg viruses. In addition, significant expression is visible in human between exons 7–8 (total 28 exons).



