

## Product datasheet for TP307267

### VPS41 (NM\_014396) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vacuolar protein sorting 41 homolog ( <i>S. cerevisiae</i> ) (VPS41), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207267 protein sequence Red=Cloning site Green=Tags(s)

MAEAEQETGSLEESTDESEEEEESEEEPKLYERLSNGVTEILQKDAASCMTVHDKFLALGTHYGKVYLL  
DVQGNITQKFDVSPVKINQISLDESGEHMGVCSGDKGVQVFLYSGEEFHETFDPCPKIIAVHPHFVRSS  
CKQFVTGGKLLLFERSWMNRWKSAVLHEGEGNIRSVKWRGHIAWANNMGVKIFDIISKQRITNVPRDD  
ISLRPDMYPCSLCWKDNVTLIIGWGTSVKVCSVKERHASEMRDLPSRYVEIVSQFETEFYISGLAPLCDQ  
LVVLSYVKEISEKTEREYCARPRLDIIQPLSETCEEISSDALTVRQFQENECRDYHLEYSEGESLFYIVS  
PRDVVAKERDQDDHIDWILLEKKKYEEALMAAEISQKNIKRHKILDIGLAYINHLVERGDYDIAARKCQK  
ILGKNAALWEYEVYKFEIGQLKAISPYLPRGDPVLKPLIYEMILHEFLESDYEGFATLIREWPGDLYNN  
SVIVQAVRDHLKKDSQNKTLKTLAELYTDKNYGNALIEYLTLRHKDVFQLIHKHNLFSSIKDKIVLLM  
DFDSEKAVDMLLDNEDKISIKKVEELEDPELQHVYLHKLFRDHHKGQRYHEKQISLYAEYDRPNLLP  
FLRDSTHCPLEKALEICQRNFVEETVYLLSRMGNSRSALKMIMEELHDVDKAIEFAKEQDDGELWEDLI  
LYSIDKPPFITGLLNNIGTHVDPILLIHRKEGMEIPNLRDSLKILQDYNLQILLREGCKILVADSLS  
LLKMHRTQMKGVLVDEENICESCLSPILPSDAAKPFSVVVFHCRHMFHKECLPMPMSNSAAQFCNICSA  
KNRGPMSAILEMCK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

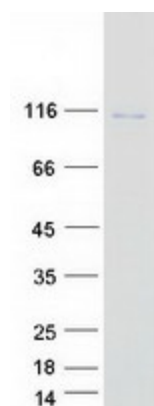
Tag:	C-Myc/DDK
Predicted MW:	98.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055211</a>
<b>Locus ID:</b>	27072
<b>UniProt ID:</b>	<a href="#">P49754</a>
<b>RefSeq Size:</b>	4894
<b>Cytogenetics:</b>	7p14.1
<b>RefSeq ORF:</b>	2562
<b>Synonyms:</b>	HVPS41; hVps41p; HVSP41
<b>Summary:</b>	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. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome

### Product images:



Coomassie blue staining of purified VPS41 protein (Cat# TP307267). The protein was produced from HEK293T cells transfected with VPS41 cDNA clone (Cat# [RC207267]) using MegaTran 2.0 (Cat# [TT210002]).