

## Product datasheet for TP306027

### VPS45A (VPS45) (NM\_007259) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vacuolar protein sorting 45 homolog ( <i>S. cerevisiae</i> ) (VPS45), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206027 protein sequence Red=Cloning site Green=Tags(s)

MNVVFAVKQYISKMIEDSGPGMKVLLMDKETTGVSMVYTQSEILQKEVYLFERIDSQNREIMKHLKAIC  
FLRPTKENVDYIIQELRRPKYTIYFIYFSNVISKSDVKSLAEADEQEVVAEVQEFYGDYIAVNPFLFSLN  
ILGCCQGRNWDPAQLSRTTQGLTALLLSLKKCPMIRYQLSSEAAKRLAECVKQVITKEYELFEFRTEVP  
PLLLILDRCDDAITPLLNQWTYQAMVHELLGINNNRIDLSRVPGISKDLREVLSAENDEFYANNMYLNF  
AEIGSNIKNLMEDFQKKPKKEQQKLESIADMKAFVENYPQFKKMSGTVSKHVTVGELSRLVSESNLLEV  
SEVEQELACQNDHSSALQNIKRLLNPKVTEFDAARLVMLYALHYERHSSNSLPLGLMMDLRNKGVSEKYR  
KLVSAVVEYGGKRVRGSDLFSPKDAVAITKQFLKGLKGVENVYQHQPFHETLDHLIKGRLENLYPYL  
GPSTLRDRPQDIIVFVIGGATYEEALTVYNLNRTPGVRIVLGGTTVHNTKSFLEEVLASGLHSRSKES  
QVTSRSASRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

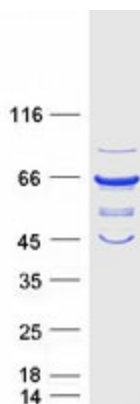
Tag:	C-Myc/DDK
Predicted MW:	64.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<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_009190</a>
<b>Locus ID:</b>	11311
<b>UniProt ID:</b>	<a href="#">Q9NRW7</a>
<b>RefSeq Size:</b>	2824
<b>Cytogenetics:</b>	1q21.2
<b>RefSeq ORF:</b>	1710
<b>Synonyms:</b>	H1; H1VPS45; SCN5; VPS45A; VPS45B; VPS54A; VSP45; VSP45A
<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 is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2013]
<b>Protein Pathways:</b>	Endocytosis

### Product images:



Coomassie blue staining of purified VPS45 protein (Cat# TP306027). The protein was produced from HEK293T cells transfected with VPS45 cDNA clone (Cat# [RC206027]) using MegaTran 2.0 (Cat# [TT210002]).