

## Product datasheet for **TP303870L**

### VPS33B (NM\_018668) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vacuolar protein sorting 33 homolog B (yeast) (VPS33B), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203870 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAFPHRPDAPELPDFSMKRLARDQLIYLLEQLPGKKDLFIEADLMSPLDRIANVSILKQHEVDKLYKVE  
NKPALSSNEQLCFLVRPRIKNMRYIASLVNADKLAGRTRKYKVIFSPQKFYACEMVLEEEGIYGDVSCDE  
WAFSLLPLDVDLLSMELPEFFRDYFLEGDQRWINTVAQALHLLSTLYGPFPCYIGRCAKMAYELWRNL  
EEEEGETKGRRPEIGHIFLLDRDVFVTALCSQVVEGLVDDTFRIKCGSVDFGPEVTSSDKSLKVLN  
AEDKVFNEIRNEHFSNVFGFLSQKARNLQAQYDRRRGMDIKQMKNFVSQELKGLKQEHRLSLHIGACES  
IMKKKTKQDFQELIKTEHALLEGFNIRESTSYIEEHDRQVSPIESLRMLCLLSITENGLIPKDYRSLKT  
QYLQSYGPEHLLTFSNLRAGLLTEQAPGDTLTAVESKVSCLVTDKAAGKITDAFSSLAKRSNFRAISKK  
LNLIPRVGDGEYDLKVPRDMAYVFSGAYVPLSRIIEQVLERRSWQGLDEVVRLNCSDFATDMTKEDKA  
SSESLRLILVFLGGCTFSEISALRFLGREKGYRFILTTAVTNSARLMEAMSEVKA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

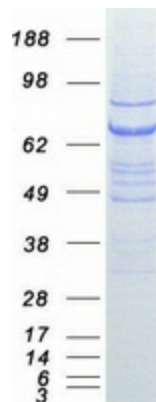
Tag:	C-Myc/DDK
Predicted MW:	70.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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>	<u><a href="#">NP_061138</a></u>
<b>Locus ID:</b>	26276
<b>UniProt ID:</b>	<u><a href="#">Q9H267</a></u>
<b>RefSeq Size:</b>	2795
<b>Cytogenetics:</b>	15q26.1
<b>RefSeq ORF:</b>	1851
<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 Sec-1 domain family, and encodes the human ortholog of rat Vps33b which is homologous to the yeast class C Vps33 protein. The mammalian class C vacuolar protein sorting proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Mutations in this gene are associated with arthrogryposis-renal dysfunction-cholestasis syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

## Product images:



Coomassie blue staining of purified VPS33B protein (Cat# [TP303870]). The protein was produced from HEK293T cells transfected with VPS33B cDNA clone (Cat# [RC203870]) using MegaTran 2.0 (Cat# [TT210002]).