

## Product datasheet for **SC320163**

### VPS37B (NM\_024667) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS37B (NM_024667) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS37B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_024667.1  
 GTGGCCGACGCGCGGTGGCGACGACGGCCGAGACGTGGGGATGGCGGGCGCCGGGAGCG  
 AAGCCCGTTTCGCCGGCTGTGCTGGTGCAGCTCAACGAGCTGCTGGAGGACGAGGGCC  
 AGCTGACGGAGATGGTGCAGAAGATGGAGGAGACACAGAATGTTGAGCTTAACAAAGAAA  
 TGACACTTGCCAGCAACCGGAGCCTGGCAGAAGGAAACCTTTTGTACCAGCCCAGCTGG  
 ACACGTTGAAAGCACGCTTGACCCAGAAATACCAGGAACCTCAGGTTCTCTTTGAAGCCT  
 ATCAGATAAAGAAGACCAAAATTAGACAGACAGTCTAGCAGTGTCTCCTTGAGACCCTGT  
 TAGCACTTCTTACGGCAGAAGGGGCCAAGATTGAGGAAGACACTGAGAACATGGCAGAGA  
 AGTTTCTGGATGGAGAATCTCTGATTCTTCATTGATGTCTATCAGAGCAAACGGA  
 AACTGGCCACATGCGACGGGTGAAAATCGAGAAGCTCCAGGAGATGGTCTAAAGGGGC  
 AGAGACTCCCACAGGCCCTGGCCCCGCTGCCCCCAGGCTGCCCGAACTGGCACCTACCG  
 CCCCCCTCCCTACCCTGCCCCAGAGGCCAGTGGGCTCCTGCCGTTGCACCTCGGCGCA  
 TCCCCCCCCACCACCCCGGTGCCTGCGGGACGCTTAGCCACCCCGTTTACTGCGGCCA  
 TGAGTTGGGACAGGCCGTGCCGTACCCAGGATTACAGTGCCTCCCTGCCCCCCGCG  
 TGGGCTCCCACTCAGCAAGGATTCTCTTCGAGTTCGTGTCCCATATCCGCCACCTC  
 TCCTCAGAGACCCCGCCCGGCTCCCTCCACACCAGCCGGTTTCATCTCCAGTGAG  
 CGCCGGCGCGGTCTTCCCGGAGACTTCTCCACCTGGCGTGTGTGCTGCTGCTCACGG  
 GAAGGAGGCTGGAGGTCCGCTCTGTGCCAAGGGCTCTGGGGCCCTGGGCCAGCGTGTCTG  
 TCTGATTTTAAAGTGTAGGTCAGTGGTGTAGTAGTAGGAGCCAGGCTTTGGGCATCAAG  
 GCAGTTGTGTGTGCCGGTTACAGCCTGACACCTGTGCGTTGCATCGGTTTGATTATCC  
 GTGTGATTTCTAAGTATCTTAGCGTTGATGAACATGTTTGGGAAGAAATAGGCCTCTC  
 CCCCAGTCCCATTAGAATCGTGGTCTTCTGTTGCAGCTTATTTAATGAGCATGGTTC  
 ATGATACTTATTTTATTTTCGAAAGACAGTCTATGTGTCTACCCACCGGCCACTGCAG  
 CCCTGGTGAGGGCGGGTGGCGCGGCCGCGCTGGAAGAGCGCCGTGGCTGGGCCACCAC  
 CTGTGGCTGCGTGTGCTCACTGAATCTGTTGGGAGAGGTCACCATAGTCACCCGCTG  
 ACCTGGCTGCTGCTTCTGCTCAGAGCCACAAGCAAAGTTTGCAGTGGGCCACTGCCGA  
 GTCCAGAGGCCGGAACGGCCACTGGTGTGGGAGGGAGCGCACGAGTGGGACTTTGCA  
 CAGCAAATGTGTCCCAGCTCCTCCTCCTCCGCTGCTGGAGCCGGCCCTGAAGGTTT  
 CTATGAAGAAATAATCCCCAATATTTTACTACGTGTGTGATTTTCTGTTTTATTTG  
 AAAAACTTTTTTACACTCCCAAGACCATTACGGAAATTTTAAAAAATGCAGATAC  
 TGCTTTGAGCAGATCGAAATGCCGATGAAGTGGATGCAATTTCTTTTGTGCAAGCAGTG  
 CACGGTGCCCCCCTCGGGTGTCCGTGCTGTGCCTTAGCTTCCCAGGTGCCGGGACTC  
 ACACCTGTAGGGGCTGGCAAGGCCCGGCTCTGCTTCTCTGAAGGGCTGTCCAAGT  
 TCATTGCCCTGTTACAGGTGGTCAAGACGTCCGGCCGCTTGACCCAGGCTACCTTAGC  
 CAATATCTCTGCCCTGGGTGGCTGGTGGCTGGGCTCAGGGTGGGCAACGTTAGGGGT  
 TTGGCGAAAGCCCGCCCATGGGATTGAGGGACGGGGTGCACCTCAACCGTCTGCACCT  
 GCTCTTCCCCACCCCTGTGGGACCTCATCTTACGTGCCATGTGTGCTGAAGGCCAGG  
 GCCCAGCAGGGGGCAGTGGCACCTGTTGACGAAAAGGCCGAGGTGCTTACCAGTGGACC  
 TTCTGGCCCGCCCTCCCTGTCACTTGTGCGGCATCCAGGGCCCGACCTGTGCCTAGC  
 CGCCAGGGTGACAGAAGGCAGAAGTGAAGCGGGTCTGGGCCACGGGCCAGGCCACTGCC  
 TTTTGTCTCAGTGACCATACATTCTGCTCTCGACTTGAACCTACTGTAAGTGT  
 CTTGAAATGAAGCTGTACAGGACGATTCACTGCCATGCCAGTCAGGCGGGCTTGCCATGT  
 TCTGTGAATCTCGAGTGAGCGGTGCCACCCGCCCCATACCTCCGCCACCGGCCGCTGTC  
 GGGGATGCCACAGCTGCCACGGTGCAGCCAGACGTGAGCTTGGCATTGAAGTTGCAA  
 GCGGCCCTGGCCGGCTCGCCGCTGTCAGGGCCGTGTCGGTGTGTGGCTGTAA  
 AGCTGTAGGACCTTTTTAATAATAGAGAATTATTAATAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_024667

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_024667.1</a>, <a href="#">NP_078943.1</a></u>
<b>RefSeq Size:</b>	2738 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	79720
<b>UniProt ID:</b>	<u><a href="#">Q9H9H4</a></u>
<b>Cytogenetics:</b>	12q24.31
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in cell growth and differentiation.[UniProtKB/Swiss-Prot Function]