

Product datasheet for **SC113816**

VPS37C (NM_017966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS37C (NM_017966) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS37C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_017966, the custom clone sequence may differ by one or more nucleotides

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ATGGAGACGCTGAAGGATAAGACCCTGCAGGAGCTGGAGGAGTTGCAGAATGACTCGGAGGCGATTGACC
AGCTGGCCCTGGAGTCCCCTGAGGTCCAGGACCTACAGCTGGAACGGGAGATGGCACTGGCCACCAACCG
GAGCCTGGCAGAGCGAACTTGGAGTTCAGGGTCCCCTGGAGATCAGCCGCTCAAACCTCTCGGATAGA
TACCAGGAGCTCCGGAAGCTCGTGGAGCGGTGCCAGGAGCAGAAGGCAAAGCTGGAGAAATTTTCTCAG
CACTGCAGCCAGGGACCTTGTTAGACCTTCTGCAGGTGGAAGGCATGAAGATCGAAGAAGAGTCCGAGGC
CATGGCTGAGAAGTTCTGGAGGGCGAGGTGCCCTGAAAACGTTCTGGAGAATTTTCTCCATGAGG
ATGCTGTCCCACCTGCGCCGGTTCGCGTGAAAAGCTCCAGGAAGTGGTGAAGAACCCAGGGCTTCCC
AGGAGCTGGCCGCGATGCCCTCCACCCCGTCCACCACCCCGGTGCGCCAGTCCCCAGGGAACACC
CCCTGTGGTTGAAGAGCAGCCGACCCATTAGCCATGCCTCCCTACCCTTTGCCCTACAGCCCATCC
CCCAGCCTGCCTGTGGGCCCACTGCCATGGAGCCCTGCCACCGGCCCTTTCCAGTAGTGTCCAGC
CCTCCTTCTACAGCGGGCTCTGGGCCCACTTACCCGGCAGCCAGCTTGGACCCAGGGGTGCTGCGGG
TTACTCCTGGTCCCACAGAGGAGCATGCCACCCGGCCGGGCTATCCTGGGACCCCAATGGGTGCCTCT
GGGCTGGGTACCCTTGGGGGAGGCAGGGCCCCAGTCTGGTTATCCTCAACAGTCCCATAACCCG
CAACAGGAGGAAAACCTCCCTACCCAATACAGCCTCAGCTCCCAGCTTCCAGGCCAGCCCAGCCCTC
AGTGCCCTGCAGCCCCCTATCCCCCGGGCCGCCCTCCCTATGGGTCCCACCACCGCCGGGGCT
GCCTGGCCTGGTATTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017966 unedited
 TCTATAGGGCGGCGCGAATTCGGCACGAGGGTCAGACAAGCTTGTCTATGTCCTATTT
 GAGTGGCAGCAGCGCCAGCCAGCAAGAAGGCTGGGGTGTCAAGGTTGCCCCAGACC
 TTGCTTGCAAGTGGTTGGAGAACCAGGGGGCTGCCTGGGCCCTCGGCCAGAGGGAAGC
 GGGCAGCTCTAGCCCTGGAGATTGTGGTCACATTGGGGCTGTTTAGGATTGGAGGGCCA
 GGTCACCTCCCCAGCCACCCTCCCTTCTCTCTCTGGGGTCCCCACTTTAGGGCGACTTT
 GCCCGAGGCCACGCATCCATCCACTCCTTTAGTGCCTTGAATCTCATTACAAGCAGCC
 CCCTCCCTTCCCCTCCCCTTCTCACTCTGTTGATGTAATCCTCCACCCCAAGTGTCCAT
 CCTAAGACAGGCATCAAAAGAGGCCCTAACTTTACTTCCCAAATGGTGCTTTNTAAAAA
 CACCATCACTACATTAGGGGCAATTTTTTACACCTCCCTGTCTTCAAGATGTANAGGGT
 GGGGATTATGTCTCTGTTTATATGCAGCCCTGCACTGTGGGGTTGGGGCATGGTTCA
 GTATAAGAATGAATACCATAGACCAAGGGGTGTGATGAGTGGTAACTTGGNTGNTCCAG
 AGGTAACANGTCTCAGNAAGAGCCTGGAGCTGCTATTGCTTAGAAAGTGACGTGCCT
 TGAATGCACTACCTGAGACGCNCATCTGTGGGCCGGGCTGCTGGGGCAAGAGGACCT
 GACCTTNTGGTGTGCCCTCCCCGNCTTAGTGCATCCGGTGACGCTAGTACGCTTGCCT
 TCTTACCAAGGGCTGCTCTCTAGTTTTNATAGAGAATCCTATGGACCTACTGGTATGC
 TCTGACTGAGACGACGCTGNATGTTGGNATAATGCCTATAACTTGAGAGCAAAAAAAAAA
 ACTGCTTAATGCGGGGCTACTGTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_017966 unedited
 NCCTACTGNACGCGCCGCAATTCTANGATCGAGTTTTTTTTTTTTTTTTTGTACTCATC
 AAAGTTTATTATGGCAATTAATTACACAAACATACAGGCGGTCGGTCATCCAGCTCAGAA
 GCACTCAAACAGTAGAGTCCATTAGTGATTTCTTTTATAAATAACTTAGGAGAAGCAA
 GCACATTTGGTAAAGAACCAGCGCTGACCTAGCGTCACGCGGATGGCACATAGGCCG
 GGGAGGGCAGGCACCAGAAGGTCAAGGTCCCTCCTGGCCCAAGCAGCCCGGGCCAC
 CAGATGCTGCGTCTCAGGTAGTGGACATTTCAAGGCACGTACAACCTCCTAAGCAATAG
 CAGCTCCAGGCTCTCCCTGAGACCTGGTTACCTCTGGAACAACCAAGTTAACACTCAT
 CACACCCCTTTGTCTATTGTATTCTTACTTACTGAACATGCCCCAAACCCACAGT
 GCAGGGGGCTGCATATTAACAGAGACATAATCCCCACCCTTTACATTCTGAAGACAGGG
 AGGTGTGAAAAAATTGCCCTAATGTAGTATGGTGTTTTTTAAAAAGCACCATTTGGGA
 AGTAAAGTTAGGGCCTCTTTTGTGCTGTCTTAGGATGGACACTGGGGTGGGGAGGGA
 TACATCAACAGAGTGAAGGGGAGGGNAGGGAGGGGCTGCCTGTGAATGANATTCAG
 GCACTAAAGGAGTGGATGGATGCGTGGCCTCCGNCAAGTCGCCCTAAGTGGGGACCC
 CACAGGAANAAGGGGAGGTGGCTTGGGNAGGTGACCTGGCCCTCCATATCTTAACAGCC
 CAATGTGACCACATTCTCCAGGGCTAGAGCTGGCCGCTTCCCTTTGGCCAAAGGGCCAA
 GCAAGCCCTGGGTTCTCCACCACTGCAACCAGGTCTTGGGGAN

Restriction Sites:

NotI-NotI

ACCN:

NM_017966

Insert Size:

960 bp

OTI Disclaimer:

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).

Components:

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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_017966.2](#), [NP_060436.2](#)

RefSeq Size: 2711 bp

RefSeq ORF: 486 bp

Locus ID: 55048

UniProt ID: [A5D8V6](#)

Cytogenetics: 11q12.2

Protein Pathways: Endocytosis

Gene Summary: VPS37C is a subunit of ESCRT-I (endosomal sorting complex required for transport I), a complex in the class E vacuolar protein sorting (VPS) pathway required for sorting ubiquitinated transmembrane proteins into internal vesicles of multivesicular bodies (Eastman et al., 2005 [PubMed 15509564]).[supplied by OMIM, Mar 2008]