

Product datasheet for **SC112921**

VPS11 (NM_021729) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS11 (NM_021729) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS11
Synonyms:	END1; HLD12; hVPS11; PEP5; RNF108
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_021729, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCTACCTGCAGTGGCGGCGCTTCGTTTTCTTCGACAAGGAGCTGGTGAAGGAGCCGCTGAGCA
ATGATGGGGCCGCTCCCGGGCCACACCTGCTTCTGGATCCGCTGCTTCCAAGTTCTTTGCCTCCCTCC
TGGCATCACTGTCTGCGACTCAGGCCGAGGGAGCCTGGTCTTTGGAGATATGGAAGGCCAGATCTGGTTG
TTGCCACGTTCCCTACAGCTTACAGGCTTCCAAGCCTACAACTACGGGTGACACACCTGTACCAACTGA
AGCAGCACAATATTCTGGCATCTGTTGGAGAAGATGAAGAGGGCATCAACCCCTTGGTTAAGATCTGGAA
CCTGGAGAAGAGAGATGGTGGCAATCCACTCTGCACTCGAATCTTCCCTGCTATTCCAGGAACAGAGCCA
ACTGTTGTATCTGTTTGACTGTCCATGAAAATCTCAACTTTATGGCCATTGGTTTCACAGATGGCAGTG
TTACATTGAACAAAGGAGACATCACCCGGGACCGCATAGCAAGACCCAGATTTTGCACAAGGGCAACTA
TCCTGTAAGTGGATTGGCCTTTCGCCAAGCAGGAAAGACCACTCACTTGTGTTGTGACAACAGAGAAC
GTCCAGTCTATATAGTTTCTGGAAAAGACTACCCTCGCGTGGAGTTGGACACCCATGGTTGTGGCCTGC
GCTGCTCAGCCCTAAGTGACCCTTCTCAGGACCTGCAGTTCAATTGTGGCCGGGATGAGTGTGCTACTT
GTACCAGCCTGATGAACGTGGGCCTGCTTCGCCCTTGGAGGCCATAAGCTCATTGCCCACTGGTTTAGA
GGTACCTTATCATTGTCTCCCGTGACCGGAAGGTTTCTCCCAAGTCAGAGTTTACCAGCAGGGATTAC
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TGAGGATGTAGTGGATGTGCTTGTGAGTGGGGCTCCCTGTACGTGCTGACGCGGGATGGGCGGGTCCAC
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TCTCTACAGCAAGGGCAACCACGATGGGCTGTCCAGCAATATATCCGAACATTGGAAGTTGGAGCCA
TCCTACGTGATCCGCAAGTTTCTGGATGCCAGCGCATTCAACAACCTGACTGCCTACCTGCAGACCTGC
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CAGGCTGCAGGGCAACTCTGAGGATTCATCCCATCTTTGCCAATAACCCGCGAGAGCTGAAAGCCTT
CCTAGAGCACATGAGTGAAGTGCAGCCAGACTCACCCAGGGATCTACGACACACTCCTTGAGCTGCGA
CTGCAGAACTGGGCCACGAGAAGGATCCACAGGTCAAAGAGAAGCTTCACGCAGAGGCCATTTCCCTGC
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GCTCAAGTGTCCAATGACAGCTTTTCTGTGATTGCTGACTACTTTGGCAGAGGTGTTTTCAACAAATTG
ACTCTGCTGACCGACCCTCCACAGCCAGACTGACCTCCAGCCTGGAGGCTGGGCTGCAACGCGACCTAC
TCATGCACTCCAGGAGGGGCCTTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021729 unedited
 GTAATACGACTACTATAGNNGGCGCCGCGCAATTCGGCACGAGGCTGGGCCAAAATGG
 CGGCCTACCTGCAGTGGCGGGCTTCGTTTTCTTCGACAAGGAGCTGGTGAAGGAGCCGC
 TGAGCAATGATGGGGCCGCTCCCGGGCCACACCTGCTTCTGGATCCGCTGCTTCCAAGT
 TCCTTTGCCTCCCTCCTGGCATCACTGTCTGCGACTCAGGCCGAGGGAGCCTGGTCTTTG
 GAGATATGGAAGGCCAGATCTGGTTCTTGCCACGTTCCCTACAGCTTACAGGCTTCCAAG
 CCTACAAACTACGGGTGACACACCTGTACCAACTGAAGCAGCACAAATATTCTGGCATCTG
 TTGGAGAAGATGAAGAGGCATCAACCCCTTGGTTAAGATCTGGAACCTGGAGAAGAGAG
 ATGGTGGCAATCCACTCTGCACTCGAATCTTCCCTGCTATTCCAGGAACAGAGCCAACTG
 TTGTATCTTGTGTTGACTGTCATGAAAATCTCAACTTTATGGCCATTGGTTTCACAGATG
 GGAGTGTACATTGAACAAAGGAGACATCACCCGGGACCGGCATAGCAAGACCCAGATTT
 TGCACAAGGGCAACTATCCTGTAAGTGGATTGGCCTTTCGCCAAGCAGGAAAGACCCTC
 ACTTGTGTTGTTGTGACAACAGAAGAACGTCCAGTCAGAGTTTACCAGCAGGGATTACAG
 AGCTCCCAGCAGCAGATTCTAACATCTATGACCTGTGCAACAAGTTCATAGCCTATAGC
 ACCGCTTTTTGAGATGTAAGGGATGTGCTTGTGTAATGGGGCTCCCTGTACTTGTGCTGACG
 CGGGATGGGCGGTTCCACGCCCTGCNNGAGAGGGACCACAGACCCAACTGGGGATGCTGT
 TTAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021729 unedited
 GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAATTATATTCTTTTATTTATAG
 ACTCTGAGAGCAAGGACCAAGCACAGCCTGGTGTCTTGGATAGAGAAAAAGCAGCTA
 TTGTCCCACTCAGAGGTTGCTGAGGTGCCCTCCCCACTGATCTGGAATGATCTACACT
 GCTAGTGAAGAGGAGGGATGGCAAGCTGACTAAATAAGAAGGCAGGAAAGAAAGTCCGC
 TTTAGTCTGAGGGCTGTGACATTAGATGAGAGTGGAGCCCTGGGCATGTCAGCCAGCCT
 TCTGTGTAACGCCCGCCAGGTCCTTGTGTCTGTTCTCTCGGTCTCCACTGTTGCC
 ACATCTTCTCCAGGCTGCTAAGTGCCCTCCTGGAGTGCATGAGTAGGTGCGGTTGCA
 GCCCAGCTCCAGGCTGGAGGTCAGTCTGGCTGTGGGAGGGTCGGTCAGCAGAGTCAATT
 TGTTGAAAACACCTCTGCCAAAGTAGTCAGCAATCACAGAAAAGTGTGATTGGAGCACC
 TGAGCTGATGCTGGAATTGATCATGGAGATCTCGTTTCTGTTCTGGGCCCGATCATAT
 CCATGACCTTTTCGGTTTTTCAGGGAGGCAGGNTGGGCAGTCAGCATCACTTCCGATAAC
 TCTCAAAGCAGTGTGGTGGCACGAGCTGGCACACAAGAAGTGGACCTGAGGCAACTCCA
 AGCACTGTACAAATGCTGACTTGGCCTTTTGAAAATCTAGGACTGCCCTGACCTTTGGAC
 CCCTGGCGGACGGGTGGTCTCCTCTGGACCCGCCCCCGAATTAACCTGGCAATCGGTG
 GCTTGTGTTCTGATTTTTGACCACATATCCTTTAACAGAAATGGGCCTGGAATTGTGGCCA
 GGTCTCCCTAAAAGGGCCTGAGGCTCTGTCCACATCTAG

Restriction Sites:

ECoRI-NOT

ACCN:

NM_021729

Insert Size:

3800 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_021729.4](#), [NP_068375.3](#)

RefSeq Size: 3279 bp

RefSeq ORF: 2826 bp

Locus ID: 55823

UniProt ID: [Q9H270](#)

Cytogenetics: 11q23.3

Domains: Clathrin, RING

Protein Families: Druggable Genome

Gene Summary: 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 homolog of yeast class C Vps11 protein. The mammalian class C Vps proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Transcript Variant: This variant (1) encodes the longer isoform (1).