

Product datasheet for SC110595

VPS18 (NM_020857) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS18 (NM_020857) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS18
Synonyms:	PEP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110595 sequence for NM_020857 edited (data generated by NextGen Sequencing)

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ATGGCGTCCATCCTGGATGAGTACGAGAACTCGCTGTCCCCTCGGCCGTCTGCAGCCC
GGCTGCCCTAGCGTGGGCATCCCCCACTCGGGGTATGTGAATGCCAGCTGGAGAAGGAA
GTGCCATCTTCAAAAGCAGCGCATTGACTTCACCCCTTCCGAGCGCATTACAGTCTT
GTCGTCTCCAGCAATCAGCTGTGCATGAGCCTGGGCAAGGATACACTGCTCCGCATTGAC
TTGGGCAAGGCAAATGAGCCCAACCACGTGGAGCTGGGACGTAAGGATGACGCAAAAGTT
CACAAGATGTTTCTTACCATACTGGCTCTCACCTGCTGATTGCCCTGAGCAGCACGGAG
GTCCTCTACGTGAACCGAAATGGACAGAAGGTACGGCCACTAGCACGCTGGAAGGGGCG
CTGGTGGAGAGTGTGGTGGAAACAAGGCACTGGGCACGGAGAGCAGCACAGGCCCATC
CTGGTCGGGACTGCCAAGGCCACATCTTTGAAGCAGAGCTCTCAGCCAGCGAAGGTGGG
CTTTTCGGCCCTGCTCCGGATCTCTACTTCCGCCATTGTACGTGCTAAATGAAGAAGGG
GGTCCAGCACCTGTGTGCTCCCTTGAGGCCGAGCGGGGCCCTGATGGGCGTAGCTTTGTT
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GCCAGGGTCTTCCAGGGCTCTTTCAGCTTACACGGACCACCCACCCCACTTCCGTGAG
TTTCCAGCAACCTGGGCTACAGTGAGTTGGCCTTCTACACCCCAAGCTGCGCTCCGCA
CCCCGGGCCTTCGCCTGGATGATGGGGATGGTGTGTTGTATGGGGCATTGGACTGTGGG
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GACCGGGTGGAGCAGTGTGCACACTGACCGGGCAGGTGGTGTGCTGCGGGATCACTTCTG
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TACACTGAGCGGGCTGTCTCCGCTACCAGTGAACGGGAGGCCGAGATGTCTGGCGC
ACCTATCTGGACATGAACCGCTTCGATCTGGCCAAAGAGTATTGTGAGAGCGGCCCGAC
TGCCTGGACACGGTCTGGCCCGGAGGCCGATTTCTGCTTTCGCCAGCGTCTGCTACCTG
GAGAGCGCAGCTGCTATGCCCTGACCCAGAGCTACTTTGAGGAGATTGCCCTCAAGTTC
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AAGCCAGCCGAACGTACCCAGGCCACACTGCTGACCACCTGGCTGACAGAGCTCTACCTG

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AGCCGGCTTGGGGCTCTGCAGGGCGACCCAGAGGCCCTGACTCTCTACCGAGAAACCAAG
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GAGGCCCTGGCCGTGCTCGCCGCCACCGTGACCCCCAGCTCTTCTACAAGTTCTCACCC
ATCCTCATCCGTACATCCCCGCCAGCTTGTAGATGCCTGGATTGAGATGGGCAGCCGG
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CAGGCCATCCACAACCTACCTGCTGTCACTGTATGCCCGTGGCCGGCCGACTCACTACTG
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CTCAACCGCCCTTTTACCTCTTCTCTGTGGCCATATGTTCCATGCTGACTGCCTGCTG
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AAGCTGGGGGCTGCTCCACCCCCAGCAAGGGCTTCCCCGGGCAAGGAGGCCGAGGGT
GGGGCTGCCACGGCAGGGCCAGCCGGGAACAGCTCAAGGCTGACCTGGATGAGTTGGTG
GCCGCTGAGTGTGTACTGTGGGGAGCTGATGATCCGCTCTATCGACCCGCCGTTTCATC
GACCCCCAGCGCTACGAGGAGGAGCAGCTCAGTTGGCTGTAG
    
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Clone variation with respect to NM_020857.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_020857 unedited
GGGGGGTGGGGTAANNNGNTTNTTNNNNNGGCTTTTACCCGCCCGTGGCCG
AATAGGGCGGTAGCGGTACGGTGGNGAGTCTATATAAGCAGAGCTCATTTAGGTGACAC
TATAGAATACAAGCTACTTGTCTTTTTGCAGCGCCCGCAATTCGGCAGGAGGAGCCTG
TGATTTTTTTGTATCGGGGGCGGGGAGTAAGGTGCAAGACTGCGCCAGATTCAAGGACGA
GGGCTGCCGATTATCTCGCTGCATAAGGCAAGAGCAAGAGGATCCTCAGGATTTTAAAG
AGGAGGCGACGGCTGCAGGTTCCCATGATCTGTCAGAGGCTGGGGAGTTACAGCTCCAT
TCTGGGGCGACGGGACCCCGGGGGGTAGCCCTTTTGAATCCCAGGCCCCGGACAAA
GAGCCCAGAGGCCGGCACCATGGCGTCCATCCTGGATGAGTACGAGAACTCGTGTCCC
GCTCGGCCGCTTGCAGCCCGGCTGCCCTAGCGTGGGCATCCCCACTCGGGGTATGTGA
ATGCCAGCTGGAGAAGGAAGTGCCTATCTTACAAAGCAGCGCATTGACTTACCCCTT
CCGAGCGCATTACAGTCTTGTGCTCTCCAGCAATCAGCTGTGCATGAGCCTGGGCAAGG
ATACACTGCTCCGCATTGACTTGGGCAAGGCAAAATGAGCCCAACCACGTGGAGCTGGGAC
GTAATGATGACGCAAAAGTTCACAAGATGTTTCTTGACCACTACTGGCTCTCACCTGCTGA
TTGCCCTGAGCAGCAGGATGTTCTCTACGTGAACCGAATGGACAGCAAGTACGGNCACT
AGCAGCGTGCCAGTGCANCTGGTGGAGAGTGTGGGATAGGACAAGCACTGNGCACGTAGA
GCAGTACATGCCATTCTGGTGGTACTGCCCAAGCCN
    
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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 Vps18 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. [provided by RefSeq, Jul 2008]