

Product datasheet for SC324062

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_021729.4
 GCCAAAATGGCGCCTACCTGCAGTGGCGGCGCTTCGTTTTCTTCGACAAGGAGCTGGTGAAGGAGCCGCTGAGCAATGATGGGGCCGCTCCCGGGCCACACCTGCTTCTGGATCCGCTGCTTCCAAGTTCCCTTTCCTCCCTCCTGGCATCACTGTCTGCGACTCAGGCCGAGGGAGCTGGTCTTTGGAGATATGGAAGGCCAGATCTGGTCTTGGCCACGTTCCCTACAGCTTACAGGCTTCCAAGCCTACAACTACGGGTGACACACCTGTACCAACTGAAGCAGCACAAATATTCTGGCATCTGTTGGAGAAGATGAAGAGGGCATCAACCCCTGGTTAAGATCTGGAACCTGGAGAAGAGAGATGGTGGCAATCCACTCTGCACTCGAATCTTCCCTGCTATTCCAGGAACAGAGCCAAGTGTGATCTGTTTACTGTCCATGAAAATCTCAACTTTATGGCCATTGGTTTACACAGATGGGAGTGTACATTGAACAAAGGAGACATCACCCGGGACCGGCATAGCAAGACCCAGATTTTGCACAAGGGCAACTATCCTGTAAGTGGATTGGCCTTTCCGCAAGCAGGAAGACCCTCACTTGTGTTGTTGACAACAGAGAACGTCCAGTCCATATAGTTTCTGGAAAGACTACCCTCGCGTGGAGTTGGACACCCATGGTTGTGGCCTGCGCTGCTCAGCCCTAAGTGACCCTTCTCAGGACCTGCAGTTCATTGTGGCCGGGGATGAGTGTGCTACTTGTACAGCCTGATGAACGTGGGCCCTGCTTCGCCTTTGAGGGCCATAAGCTCATTGCCACTGGTTAGAGGCTACCTATCATTGTCTCCCGTGACCGGAAGGTTTCTCCAAGTCAGAGTTACCAGCAGGGATTACAGAGCTCCGACAAGCAGATTCTAAACATCTATGACCTGTGCAACAAGTTCATAGCCTATAGCACCGTCTTTGAGGATGTAGTGGATGTGCTTGTGAGTGGGGCTCCCTGTACGTGCTGACGCGGGATGGGCGGGTCCACGCACTGCAGGAGAAGGACACACAGACCAAAGTGGAGATGCTGTTAAGAAGAACCTATTTGAGATGGCGATTAACCTTGGCCAAGAGCCAGCATCTGGACAGTGTGGCTGGCCAGATTTTCATGCAGTATGGAGACCATCTCTACAGCAAGGGCAACCACGATGGGGCTGTCCAGCAATATATCCGAACCATTGGAAAGTTGGAGCCATCCTACGTGATCCGCAAGTTTCTGGATGCCAGCGCATTACAACCTGACTGCCACCTGCAGACCCTGCACCGACAATCCCTGGCCAATGCCGACCATACCACCCTGCTCCTCAACTGCTATACCAAGCTCAAGGACAGCTCGAAGCTGGAGGAGTTCATCAAGAAAAAGAGTGAGAGTGAAGTCCACTTTGATGTGGAGACGCCATCAAGGTCCTCCGGCAGGCTGGCTACTCCCATGCCCTGTATCTGGCGGAGAACCATGCACATCATGAGTGGTACCTGAAGATC



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CAGCTAGAAGACATTAAGAATTATCAGGAAGCCCTTCGATACATCGGCAAGCTGCCTTTT
 GAGCAGGCAGAGCAACATGAAGCGCTACGGCAAGATCCTCATGCACCACATACCAGAG
 CAGACAACTCAGTTGCTGAAGGGACTTTGACTGATTATCGGCCAGCCTCGAAGGCCGC
 AGCGATAGGGAGGCCAGGCTGCAGGGCAACTCTGAGGAGTTCATCCCCATCTTTGCC
 AATAACCCGCGAGAGCTGAAAGCCTTCTAGAGCACATGAGTGAAGTGCAGCCAGACTCA
 CCCCAGGGGATCTACGACACACTCCTTGAGCTGCGACTGCAGAAGTGGGCCACGAGAAG
 GATCCACAGGTCAAAGAGAAGCTTCACGCAGAGGCCATTTCCCTGCTGAAGAGTGGTCGC
 TTCTGTGACGTCTTTGACAAGGCCCTGGTCTGTGCCAGATGCACGACTTCCAGGATGGT
 GTCCTTTACCTTTATGAGCAGGGGAAGCTGTTCCAGCAGATCATGCACTACCACATGCAG
 CACGAGCAGTACCGGCAGGTCATCAGCGTGTGTGAGCGCCATGGGGAGCAGGACCCTCC
 TTGTGGGAGCAGGCCCTCAGCTACTTCGCTCGCAAGGAGGAGGACTGCAAGGAGTATGTG
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 ACCCTGGCCACAACCTCCACAGCCACACTCTCCGTCATCAGGGACTACCTGGTCCAAAAA
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 CACAATGGGACCTGGGCGGGCGTTACACAGAAGGCTGGCTGACATGCCAGGGCTCCACT
 CTCATCTAATGTACAGCCCTCAGAACTAAAGCGGACTTTCTTTCCCTGCCTTCTTATTT
 AGTCAGCTTGCCATCCCTCCTTCACTAGCAGTGTAGATCATTCCAGATCAGTGGGGGA
 GGGCACCTCAGCAACCTCTGAGTGTGGACAATAGCTGCTTTCTTCTATCCAAGAGCAC
 CAGGCTGTGCTTGGTCTTGTCTCAGAGTCTATAAATAAAAGAATATAATGATTTGGG
 AGCTTAA
 AAA

- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_021729
- 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).
- OTI Annotation:** 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.
- 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).