

Product datasheet for **SC337689**

VPS11 (NM_001290185) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS11 (NM_001290185) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS11
Synonyms:	END1; HLD12; hVPS11; PEP5; RNF108
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001290185, the custom clone sequence may differ by one or more nucleotides

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ATGAAATCTGTTTGTCTGGAGGGTCCGTGCCGCGCCTCTTTGGTTTGTCTGGTATCCAGAGTTGTTT
TGTGGTCTACGGGAAGAAAGAAGGAAGTCCATCTCCTAAGTTGTTATCAACTGAGCAATCCTGGGAGGT
CCTTGACTACCTGCACATATGGAAGGCCAGATCTGGTTCTTGCCACGTTCCCTACAGCTTACAGGCTTC
CAAGCCTACAAACTACGGGTGACACACCTGTACCAACTGAAGCAGCACAATATTCTGGCATCTGTTGGAG
AAGATGAAGAGGGCATCAACCCCTTGGTTAAGATCTGGAACCTGGAGAAGAGAGATGGTGCCAATCCACT
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AATCTCAACTTTATGGCCATTGGTTTCACAGATGGCAGTGTACATTGAACAAAGGAGACATCACCCGGG
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AGGAAAGACCACTCACTTGTGTTGTGACAACAGAGAAGTCCAGTCCATATATAGTTTCTGAAAAGAC
TACCCTCGCGTGGAGTTGGACACCCATGGTTGTGGCCTGCGCTGCTCAGCCCTAAGTGACCTTCTCAGG
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TCCCCATCTTTGCCAATAACCCGCGAGAGCTGAAAGCCTTCTAGAGCACATGAGTGAAGTGCAGCCAGA
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CAGGTCAAAGAGAAGCTTACGCAGAGGCCATTTCCCTGCTGAAGAGTGGTTCGCTTCTGCGACGCTTTG
ACAAGGCCCTGGTCTGTGCCAGATGCACGACTCCAGGATGGTGTCTTTACCTTTATGAGCAGGGGAA
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CGCCATGGGGAGCAGGACCCCTCCTTGTGGGAGCAGGCCCTCAGTACTTCGCTCGCAAGGAGGAGGACT
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GCCAGGAGATCCAAGAGCTCAAGGCCAGTCTAAGATTTTCCAAAAGACCAAGTGCAGCATCTGTAACAG
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TCGGAAAGTGTGCTGACTGCCACCTGCCTCCCTGAAAACCGGAAGGTGATGGATATGATCCGGGCC
AGGAACAGAAACGAGATCTCATGATCAATTCCAGCATCAGCTCAAGTGTCCAATGACAGCTTTTCTGT
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CTGACCTCCAGCCTGGAGGCTGGGCTGCAACGCGACCTACTCATGCACTCCAGGAGGGGCACTTAA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001290185

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:	<ol style="list-style-type: none">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_001290185.1 , NP_001277114.1
RefSeq Size:	3486 bp
RefSeq ORF:	2796 bp
Locus ID:	55823
UniProt ID:	Q9H270
Cytogenetics:	11q23.3
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 (2) differs in its 5' UTR and 5' coding region, and uses an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.